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Montreal

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NOTE REGARDING REVISIONS

The entries on pages 1 to 16 have been revised to 1st October, 1959.

Pages 41 to 113 are, for technical reasons, reprinted without change from the 1958-1959 Directory of Staff.

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Session 1959-1960

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Most buildings in which staff offices are situated are on the Campus, but some buildings, particularly hospitals affiliated with the University, are not. In order to be of assistance to people seeking to locate offices, the following brief list of street addresses has been compiled.

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ALLAN MEMORIAL INSTITUTE OF PSYCHIATRY: *1025 Pine Ave. W.*

BEATTY HALL: *1266 Pine Ave. W.*

BISHOP MOUNTAIN HOUSE: *3485 University St.*

CHANCELLOR DAY HALL: *3644 Peel St.*

CONSERVATORIUM OF MUSIC: *3420 McTavish St.*

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DIVINITY HALL: *3520 University St.*

DUGGAN HOUSE: *3724 McTavish St.*

McCORD MUSEUM: *3607 Drummond St.*

MENTAL HYGIENE INSTITUTE: *531 Pine Ave. W.*

MONTREAL CHILDREN'S HOSPITAL: *2300 Tupper St.*

MONTREAL GENERAL HOSPITAL: *1650 Cedar Ave.*

MONTREAL NEUROLOGICAL INSTITUTE: *3801 University St.*

PATHOLOGICAL INSTITUTE: *3775 University St.*

PETERSON HALL: *3684 McTavish St.*

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VERDUN PROTESTANT HOSPITAL: *6875 Lasalle Blvd., Verdun*

EMERITUS PROFESSORS

Degrees received from McGill University carry no institutional designation and are placed after those received elsewhere.

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Emeritus Professor of Otolaryngology 4687 Bonavista Ave.

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Associate Professor in the School of Social Work — *3600 University St.*
Apt. 35, 406 Pine Ave. W

PEREZ ZAGORIN, A.B. (Chicago), M.A., Ph.D. (Harvard) (on leave of absence)
Assistant Professor of History — *Arts Building*
496 Lansdowne Ave.

HANS JULIUS ZASSENHAUS, M.A. (Glasgow), Dr. Rer. Nat., Dr. Habil. (Hamburg) (on leave of absence)
Peter Redpath Professor of Pure Mathematics — *3425 University St.*
4580 Sir George Simpson Ave., Lachine

PAUL JOSEPH ZSOMBOR-MURRAY, B.Eng.
Demonstrator in Mechanical Engineering — *Engineering Building*
Box 36, Brownsburg, Que.

McGILL UNIVERSITY LIBRARY

McGILL UNIVERSITY LIBRARY

A BRIEF HISTORY OF THE UNIVERSITY

In 1813 the Hon. James McGill, a leading merchant and prominent citizen of Montreal, died and left in his will a property of forty-six acres and a sum of £10,000 to the already existing Royal Institution for the Advancement of Learning upon condition that the latter erected "upon the said tract or parcel of land, an University or College, for the purposes of education and the advancement of learning in this Province"; and further upon condition that "one of the Colleges to be comprised in the said University shall be named and perpetually be known and distinguished by the appellation of 'McGill College'."

Owing to a lack of funds and persistent opposition the complete University, which had been planned by the Royal Institution, was not built, but after years of litigation and effort, the University of McGill College was opened in 1829 with what remained of James McGill's legacy as its endowment; and teaching then started in the Faculties of Medicine and Arts. The Medical Faculty grew steadily, but the Faculty of Arts had a most delicate infancy, and by the middle of the century was still scarcely alive. In 1852 an amended Charter was secured and a new era of progress and success began with the appointment in 1855 of Sir William Dawson as Principal, a position which he held for thirty-eight years.

Since 1855 the University has grown vigorously, dividing itself into further faculties. In 1899 the Royal Victoria College was opened, a gift of Baron Strathcona, to provide separate teaching and residential facilities for women students. Gradually, however, classes for men and women were merged, and now the University is almost completely coeducational. In 1907 Macdonald College was established at Ste. Anne de Bellevue, as a residential college for Agriculture, Household Science, and the School for Teachers. This general development was greatly facilitated by the generosity of Sir William Macdonald, whose gifts to the University included a Physics Building, a Chemistry and Mining Building, and a new Engineering Building, in addition to the college named after him.

The University had about a thousand students at the beginning of the present century. Before the First World War the number had approximately doubled and after the Second World War it rose rapidly until it reached over eight thousand in the 1948-49 session. At present about seven thousand students are taking regular university courses. During this half-century benefactors, both public and private, have brought the total endowments to more than $60,000,000. New buildings have been erected or acquired to provide the undergraduate and research facilities needed by the increased student body. These include Douglas Hall and Wilson Hall, residences for men, and a large extension of the Royal Victoria College for women. Since 1945 the following buildings

have been added: Purvis Hall for the School of Commerce, Chancellor Day Hall for the Faculty of Law, new quarters for the Faculty of Music, the Donner Building for medical research, the Radiation Laboratory and Cyclotron, and the Eaton Electronics Building. A new Physical Sciences Centre was opened in 1951 and a large extension of the Redpath Library was completed in 1953. In 1959 the McConnell Engineering Building, the gift of Mr. J. W. McConnell was opened. The Sir Arthur Currie Memorial Gymnasium and Armoury, built in 1939, has been extended to include a swimming pool opened in 1950 and a Winter Stadium which was added in 1956. A similar growth has been maintained in the buildings and equipment of Macdonald College.

At the present time further expansions are being planned to accommodate the greatly increased number of students the University will have in a few years' time.

GOVERNMENT OF THE UNIVERSITY

McGill University is a Corporation created by a Royal Charter granted by the Crown of the United Kingdom, a general supervisory power being retained by the Crown and exercised through the Governor General as *Visitor*.

The *Governors* of the University constitute the Royal Institution for the Advancement of Learning, a corporation existing under the laws of the Province of Quebec, part of the official organization of the Province, but completely self-governing. In them is vested the management of finances, the appointment of professors, and other important duties. Three of the Governors are elected by the members of the Graduates' Society and other appointments are made by the nomination of the remaining members with the approval of the Visitor. The President of the Board of Governors is, *ex officio*, *Chancellor* of the University.

The *Principal* is the academic head and chief administrative officer. He is appointed by the Board of Governors (of which body he is a member). He also holds the office of Vice-Chancellor of the University.

Senate consists of the Chancellor, the Principal, the Deans of the Faculties, the Warden of the Royal Victoria College, the Director of the Institute of Education, the Director of University Extension, and the four Group Chairmen of the Faculty of Arts and Science, all *ex officio;* five Governors elected by the Board; and eight professors elected by the various faculties. The Principal is Chairman of Senate, which is the highest academic authority of the University and has control over admission, courses of study, discipline, and degrees.

The carrying out of the regulations of Senate along with primary responsibility for the conduct of the educational work of the University, is entrusted to the several Faculties and Schools.

INCORPORATED AND AFFILIATED COLLEGES

INCORPORATED COLLEGES

Macdonald College is situated at Ste. Anne de Bellevue, about twenty-five miles from Montreal. It consists of the Faculty of Agriculture, the School of Household Science, and the Institute of Education. All courses leading to the Bachelor's and Master's degrees are under the control of the Senate of McGill University; all the short term courses in agriculture, and home economics, are under the direction of the Faculty of Agriculture; and those for diplomas to teach in the Province of Quebec are prescribed and regulated by the Department of Education. (*For further particulars, see pages 4807 to 4839.*)

The Royal Victoria College is the Women's College of McGill University. (*For further particulars, see pages 308 to 311.*)

AFFILIATED THEOLOGICAL COLLEGES

The Montreal Diocesan Theological College—Principal, Rev. E. G. Jay, M.A., B.D., M.T.H., Ph.D., 3473 University Street.

The United Theological College of Montreal—Principal, Rev. George Johnston, M.A., B.D., Ph.D., 3506 University Street.

NOTE: The above two Colleges train students for the Ministry and grant certificates for ordination, but in 1948 they remitted their degree-granting powers to the University, which now confers degrees in Divinity upon properly qualified students. (*See page 2305.*)

The Presbyterian College of Montreal—Principal, Rev. Robert Lennox, M.A., Th.B., D.D., 3485 McTavish Street.

For Calendars and all necessary information, apply to the Principals of the Colleges.

INSTITUTES ATTACHED TO McGILL UNIVERSITY

The Institutes and similar groups listed below carry out research in a number of specialized fields. In most of them facilities are available for qualified students who wish to take higher degrees.

INSTITUTE OF SPACE AND AIR LAW

An academic organization for graduate study and independent research in International Air Law, open only to those already holding law degrees or to members of the Bar. Students in the Institute may proceed to the degree of LL.M. **Director:** A. B. Rosevear, Q.C.

ALLAN MEMORIAL INSTITUTE OF PSYCHIATRY

A Psychiatric Institute for teaching, research, and treatment. McGill University undertakes responsibility for the training and teaching facilities, and the Royal Victoria Hospital for the clinical work. Teaching covers both undergraduate instruction and advanced postgraduate training. **Director:** Professor D. Ewen Cameron.

ARCTIC INSTITUTE OF NORTH AMERICA

An international organization, the Montreal office (and headquarters) of which has since 1945 occupied space provided by McGill University. It supports scientific research in northern North America, and maintains a reference library, a map collection, and a small museum. It co-operates with the University in the McGill-Arctic Institute-Carnegie programme which assists graduate students in northern studies. **Director,** A. T. Belcher.

INDUSTRIAL RELATIONS CENTRE

The Industrial Relations Centre is an integral part of the School of Commerce and was set up to promote research and to spread knowledge in the field of industrial relations. Corporations taking membership in the Centre enjoy the privileges of conferences and discussions and the use of the library and reference services. An active programme is carried on particularly during the winter months. **Director:** Professor H. D. Woods.

INSTITUTE OF ISLAMIC STUDIES

A co-operative venture, gathering both staff and students from the Orient and the Occident, to interpret Islam as a living social force and to conduct joint research on its modern developments. Qualified students may proceed to the M.A. (or to the S.T.M.). **Director:** Professor Wilfred Cantwell Smith.

MONTREAL NEUROLOGICAL INSTITUTE

This includes a hospital for the treatment of diseases of the nervous system and laboratories for the study of basic and applied science in the general field of Neurology. The Institute houses the University Department of Neurology and Neurosurgery, and undergraduate and graduate teaching is carried out as well as research. **Director:** Professor Wilder Penfield.

INSTITUTE OF PARASITOLOGY

A co-operative venture between the National Research Council and the University for the study of Parasitology in man and animals. It also co-operates with public authorities in the practical applications of Parasitology. It accepts qualified students who wish to proceed to the M.Sc. or the Ph.D. degree. The Institute is housed at Macdonald College, Ste. Anne de Bellevue, near Montreal. **Director:** Professor T. W. M. Cameron.

STAFF DEVELOPMENT INSTITUTES

The Applied Psychology Centre of the Department of Psychology sponsors a series of intensive training courses for management personnel. These include: (a) A two week Personnal Appraisal Institute for employment department staff; (b) A one week Workshop in Discussion Leadership Techniques for training department staff; (c) A one week Job Evaluation Institute for industrial engineers; (d) A three week human relations course in Administration and Management Problems for senior executives. Particulars may be secured from the **Director**, Professor Edward C. Webster.

THE UNIVERSITY LIBRARY

RICHARD PENNINGTON, B.A., Lib. Dip. (London), *University Librarian.*

The University Library, which is under the general management of a Committee of Senate, includes the Redpath Library and various Faculty and Departmental libraries in other buildings.

The several libraries of the University now contain over 650,000 volumes and 50,000 pamphlets and receive over 3,000 periodicals, Government publications, and transactions of various literary and scientific societies.

The University Library is rich in early printed books, in Canadiana, and in rare pamphlets of the sixteenth to eighteenth centuries. It has special collections of David Hume, Rousseau, Rilke, Blake, Napoleon, Stephen Leacock, and Rudyard Kipling; in the Stearn Library it has a collection, both of books and puppets, illustrating the history of the marionette theatre of all nations and in the William Colgate Printing Collection a library devoted to typography. The Osler Library, devoted to the history of science from classical times, is famous also for its Sir Thomas Browne collection.

The Blackader Library of Architecture has been established in honour of Captain Gordon Home Blackader, B.Arch. The Wood Library of Ornithology was presented by Colonel Casey A. Wood, M.D., LL.D., as a special research collection and reference library. The Blacker Library of Zoology, presented by Robert Roe Blacker and Nellie Canfield Blacker, is a comprehensive reference library on this special subject. It is supplemented by the Lyman Collection of books on Entomology. The Dinah Lauterman Library of Art was established in 1946. The Faculty of Medicine (including the Bibliotheca Osleriana), the Faculty of Engineering, the Faculty of Divinity, the School of Social Work, the School for Graduate Nurses, and the Royal Victoria College maintain libraries in their respective buildings. The Baillie Library of Chemistry, the Physics Library, Mining, Metallurgy, and Geology libraries are housed in the Physical Sciences Centre, and there is a departmental collection in the Department of Botany. The Library of the School of Commerce, which includes a section on Industrial Relations, is in Purvis Hall. The Faculty of Law Library is in Chancellor Day Hall. An Islamic collection is to be found in the Islamic Institute. There is also in the Redpath Library a Poetry Records Room. In Redpath too, but attached to the Library School, is a reconstituted early nineteenth century printing office for the bibliographical instruction of graduate students of the School.

Students will find in the Redpath Library building the Undergraduate Library with seating for 352 readers and with a specially selected working

collection of about 40,000 volumes. Third and Fourth year Honours students may on application obtain a permit for working in the Stack. Students writing a thesis are advised to consult the University Librarian early in their work as to books they will need which are not yet in the Library.

With the Library is affiliated the University Book Club, which supplies its members with recent publications and makes an annual contribution of books to the Library.

The Library exhibits, from time to time, displays illustrating the subjects of the University curriculum, with special reference to art, bibliography, Canadian history, and the marionette theatre.

THE UNIVERSITY MUSEUMS

1. PETER REDPATH MUSEUM

The Peter Redpath Museum, a dignified building in the Neo-Greek style situated between the University Library and the Arts Building, was erected by the donor whose name it bears and was handed over to the University in 1882, the architects being Hutchison and Steele. It is the only building in the University designed solely for museum purposes. It contains, on three floors, a great variety of museum material:

Top floor—Zoology: Vertebrates and invertebrates, including the Carpenter Collection of Mollusca.

Second floor—Geology: Introductory exhibits; Dawson Collection of Palaeontology; Ferrier Collection of minerals; and a condensed exhibition of Economic Geology.

Ground floor—Ethnology: Synoptic exhibit of primitive native cultures from North America and Africa; Lyman Entomological Collection.

Director, Mrs. Alice Johannsen Turnham; *Curator of Vertebrate Zoology*, Austin W. Cameron; *Curator of Invertebrate Zoology*, Vincent Conde; *Curator of Entomology*, G. M. Moore; *Curator of Geology*, Mrs. J. S. Stevenson; *Curator of Education*, H. G. Ferrabee; *Assistant in Education*, Alice J. Johnstone.

2. McCORD NATIONAL MUSEUM

The McCord National Museum has been recently moved to 3607 Drummond Street where it is operated as a research centre for students and specialists in Canadian history. Visits to the Museum are by appointment only. *Curator of Anthropology*, G. R. Lowther; *Curator of Prints and Manuscripts*, Mrs. Isabel Dobell.

Early in 1960 it is hoped that one room will be open for public exhibition.

3. ETHNOLOGICAL MUSEUM

Selections from this Museum, formerly housed in the Medical Building, are now on display as follows:

1. Synoptic exhibits: Eskimo, North American Indian, and African material: Redpath Museum.
2. Mediterranean Culture and Biblical World: Divinity Hall, 3520 University Street.

The remainder of the Ethnological Collection is in storage, pending provision of suitable quarters which will eventually house the Ethnological and McCord Museums under a single roof.

In addition to the above there are other collections and exhibits of a specialized nature, ordinarily open only to students but to which access may be gained by application to the Curator concerned. These include the Anatomical, Medical, and Pathological Museums, the Museum of Hygiene, the Rutherford Collection of Experimental Physics, and the Botanical, Zoological, and Architectural collections. At Macdonald College there is a teaching collection containing an herbarium, a collection of insects, and other exhibits related to Canadian agriculture.

McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1959-60

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine and Dentistry may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

MCGILL UNIVERSITY LIBRARY

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees (see page 305).

I. UNIVERSITY FEES

FULL TIME REGULAR STUDENTS

These fees include all the regular charges of the University for registration, tuition, laboratories, libraries, graduation, health service, physical education, sports, games and Students' Society Fees.

Arts	$550.00
Commerce	550.00
Dentistry (laboratory equipment not included)	600.00
Divinity (except regular candidates for ordination)	500.00
Education (3rd and 4th years B.Ed. and B.Ed.(P.E.))	550.00
Engineering and Architecture (all years)	700.00
Nursing (Degree and Diploma Courses)	500.00
Law (First, Second, and Third years)	525.00
Law (Fourth year)	425.00
Library School (includes library visits) (Tuition $450.00; Travel $50.00)	500.00
Medicine	750.00
Music	400.00 to 600.00
Physical and Occupational Therapy	500.00
Science	600.00
Graduate Studies (Excluding M.L.S.)	500.00
International Air Law	500.00
Social Work	500.00
Master of Library Science—includes library visits (Tuition $450.00; Travel $50.00)	500.00

CONDITIONED STUDENTS

Special fee for an additional course repeated or substituted by conditioned students (one full course or two half courses)	$ 10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

Per course—Arts	$115.00
" " —Commerce	115.00
" " —Science	125.00
Per half course—Arts	57.50
" " " —Commerce	57.50
" " " —Science	62.50

PARTIAL STUDENTS	Half Courses	Full Courses
Arts and other Faculties	$57.50	$115.00
Commerce	57.50	115.00
Science	62.50	125.00
Engineering, per hour of instruction per week, per term.	22.00	22.00
Graduate Faculty	refer to Graduate Faculty Announcement	

Information concerning the fees for partial students in other courses may be obtained from the Chief Accountant.

The maximum fee charged for courses taken by partial students will not exceed the published fee for full time regular students, but in all other cases, partial students are subject to the following additional fees:

(a) If taking three or more courses—

Athletics	$15.00	
Health Service	7.00	
Students' Society	*15.00	$37.00

*($16.50 in Dentistry, $17.00 in Engineering, $18.00 in Law, and $19.00 in Medicine)

(b) If taking less than three courses—

Grounds	$ 5.00	
McGill Daily and McGill Union or Women's Union	5.00	$10.00

or, if desiring full Athletic and Health Service privileges—

Athletics	$15.00	
Health Service	7.00	
McGill Daily and McGill Union or Women's Union	5.00	$27.00

PAYMENTS BY INSTALMENTS

Fees, including board and residence, may be paid in two instalments, one at the beginning of the session and one on the 15th of January following. For this privilege the additional fee (payable $2.50 with each instalment) is ..... $ 5.00

In special cases of hardship, application may be made to the Chief Accountant for more extended terms of payment.

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (*see pages 311 and 312*)	25.00

Graduation *in absentia*	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copy (at same time)	.50
Duplicated copies of student's record (12 copies)	2.00
Re-reading examination paper	10.00
Supplemental examinations, each paper	10.00
Rental of microscope (*per term*)	7.50
Rental of microscope (*for the session*)	12.00

III. STUDENTS' SOCIETY FEES

University fees, listed on page 302, include an annual fee of $15.00 ($16.50 in Dentistry, $17.00 in Engineering, $18.00 in Law, and $19.00 in Medicine) for the support of student organizations. Partial students taking three or more full courses are required to pay an additional fee, as set forth on page 303. The Dentistry fee includes $1.50 for the Dental Review; Medical and Law fees include $2.00 for the Medical and Law Journal respectively.

The men's fee is distributed as follows: McGill Union $3.50; McGill Daily $1.50; Students' Executive Council $9.00; Undergraduate Society $1.00. In Law the Undergraduate Society receives $2.00; in Medicine and Engineering $3.00.

The women's fee is distributed as follows: Women's Union $3.50; McGill Daily $1.50; Students' Executive Council $9.00; Undergraduate Society $1.00.

The fee of students in the Faculty of Graduate Studies is distributed as follows: McGill Union or Women's Union $3.50; McGill Daily $1.50; Postgraduate Students' Society $2.00.

IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed on page 302, and $15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of $2.00 is charged for payment after the specified dates, and no additional days of grace are allowed.

2. The university does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when paying fees.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such cases the instalment fee of $5.00 is charged.

1st Instalment

One half of the total fees plus $2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus $2.50 instalment fee.

4. Students registering late pay their fees at the time of registration, failing which they become subject to the late fee and the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.

2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.

3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:

(a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.

(b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.

4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.

5. Residence fees are payable for the full academic year and will not be refunded, except in special circumstances.

EXPENSES

It will be seen that each full time regular student pays annually an inclusive University Fee (*see page 302*). There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding this fee and the cost of board and lodging (*see pages 306 to 311*). Books are necessarily a variable expense but probably $60 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

1. FOR MEN

Applications submitted after July 1st for residence in Douglas Hall or Wilson Hall will not normally be considered. Residents are required to vacate their rooms within forty-eight hours of last examination or of graduation.

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. The residence has accommodation for approximately 150 students. Meals, under the

supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

Bedding and towels are provided.

A House Fee of $6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture:

First year	$685.00
Subsequent years	650.00
Arts, Science, Commerce, Law	685.00
Medicine and Dentistry (Fourth year)	720.00
Medicine and Dentistry (lower years)	750.00

Students sharing a double study-bedroom will be allowed a rebate of $40.00 on the above fees.

WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall. Bedding and towels are provided.

A House Fee of $8.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture (upper years)	$620.00
Arts, Science, Commerce, Law, and First year Engineering	650.00

Students sharing a double room will be allowed a rebate of $40.00 on the normal fee. A further rebate of $20.00 will be allowed in the case of a few of the less favourably situated rooms.

One half of the fee is payable at the beginning of the session, and the balance on January 15th.

Students who are in residence for any additional period are charged extra at the rate of $3.50 per day.

Owing to limited accommodation, the normal time of residence in either Hall is restricted to four years, or the time required to obtain one McGill degree, whichever is shorter. Applications should be submitted as early as possible, even if the applicant has not received his acceptance by the University.

Any resident leaving the halls during the term will be held responsible for his room, until a replacement is found.

Accepted residents are required to make a deposit of $25.00 which will be included in their residence fees. It will be refunded only if notification that they are not coming is received one month before they are expected to move into their rooms.

During term the University will not cancel the contract for residence except in special circumstances such as serious illness or withdrawal from the University.

LODGINGS

The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and it cannot answer correspondence.

The cost of board and lodging in approved rooms varies from $70 to $85 per month. Separately, board costs from $65, and a room from $35, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 313 students. McLennan Hall, 3480 Ontario Avenue, formerly the home of Miss Isabella C. McLennan and donated by her to the University, provides additional accommodation for 26 students. Breakfast is served at the Hall and other meals at the Royal Victoria College.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, lounges, cafeteria, gymnasium facilities, health

offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

APPLICATION FOR RESIDENCE

(a) Out-of-Town Applicants:

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early, preferably by April 30th. (Students should not await the results of their matriculation examination before applying.)

Before a student can be officially accepted for residence, she must fulfil all the entrance requirements of McGill University, be acceptable for a full course leading to a degree or diploma, and comply with the health regulations (*see paragraph on Health, page 311*).

Admission is based on scholarship, character, health, and general promise.

(b) Montreal Applicants:

There may be limited accommodation in the College, during the 1959-60 session, for Montreal students who may wish to live in residence during some part of their academic career. Information regarding this may be obtained from the Warden's Office of the Royal Victoria College.

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science and Commerce are as follows:

First year—Tuesday, September 15th.

Upper years—Monday and Tuesday, September 21st and 22nd.

Residences will open for *First year students* on Sunday, September 13th when the mid-day meal will be the first to be served; and for *upper years* on Sunday, September 20th.

Students cannot enter residence before the dates specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 48 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 279 single and 17 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

At McLennan Hall the rooms are large and accommodate two or three students each. Furnishings are similar to those described for the Royal Victoria College.

RATES

The charge for board and residence covering the period of the University Session (ARTS AND SCIENCE), *exclusive of the Christmas holiday*, is as follows:

Single room	$760.00
Double room (17 only)	730.00

Students in faculties with longer sessions are charged extra according to the length of the session.

School of Physical and Occupational Therapy:

1st year—

Single room	$760.00
Double room	730.00

Upper years—

Single room	$800.00
Double room	770.00

School of Physical Education:

3rd year—

Single room	$800.00
Double room	770.00

4th year—

Single room	$760.00
Double room	730.00

Nursing:

1st year—

Single room	$760.00
Double room	730.00

2nd year—

Single room	$800.00
Double room	770.00

3rd year—

Single room	$760.00
Double room	730.00

Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of $4.00 per day.

The sessional charge for Physical and Occupational Therapy students living at McLennan Hall is $415.00. This rate covers room and breakfast and additional meals may be obtained at the Royal Victoria College Cafeteria at the regular prices.

A House Fee of $10.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees. This amount includes $2.00 key deposit which is refunded at the end of the session.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. Dr. M. Dorothea Mellor, of the Health Service, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

HEALTH SERVICE (MEN AND WOMEN)

The objective of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. When necessary the patient will be referred to the physician or surgeon of his choice or to the public service of designated hospitals. The cost of such services is then the student's responsibility.

programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

COMPULSORY PHYSICAL EDUCATION

The University requires all students in the First year of the courses leading to the B.A., B.Sc., B.Com., B.Eng., B.Mus. and B.Sc.(P.&O.T.) degrees to take a course in Physical Education. There are a large number of activities and sports from which students may choose in order to satisfy this regulation. Details of the programme will be published at the time of registration.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. Students coming from the United States of America who are not citizens of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS

All other non-Canadian students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3416 McTavish Street, has a complete stock of books and materials recommended by the Staff, and a supply of microscopes, engineering instruments, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1959-60

1959

May 29th, Friday. Convocation.

June 15th, Monday. School Certificate Examinations begin.

June 24th, Wednesday. St. Jean Baptiste Day. Administrative offices close at 1 p.m.

June 29th, Monday. French Summer School begins.

July 1st, Wednesday. Dominion Day. Administrative offices closed.

August 11th, Tuesday. French Summer School ends.

August 24th, Monday. Supplemental examinations begin in Arts, Science, Commerce, Engineering and Architecture, Third and Fourth years B.Ed., and B.Ed.(P.E.).

August 25th, Tuesday. Last day for filing Masters' theses for Autumn Convocation.

August 27th, Thursday. Registration of Graduate Nurse students in the First year of the School for Graduate Nurses.

September 4th, Friday. Registration in Medicine and Dentistry begins.

September 7th, Monday. Labour Day. Administrative offices closed Saturday, September 5th and Monday, September 7th.

September 8th, Tuesday. Special and Supplemental Summer Schools for Engineering Drawing 511, 521 and 541 begin. Fall Survey School for Engineering begins. Architecture sketching school begins. Registration in Medicine and Dentistry finishes.

September 9th, Wednesday. Lectures begin in Medicine and Dentistry. Registration of students in Third, Fourth and Fifth years Physical and Occupational Therapy.

September 10th, Thursday. Last day for receiving applications for admission to the Faculty of Graduate Studies. Lectures begin in Third, Fourth and Fifth years of Physical and Occupational Therapy.

September 11th, Friday. Registration in the Institute of Education.

September 14th, Monday. Lectures in the Institute of Education begin.

September 15th, Tuesday. Registration of students in First year Arts (1.30-4.00), Science, and Commerce (9.00-12.00), Engineering, Agriculture and Household Science, Basic Nursing and Physical and Occupational Therapy.

September 16th, Wednesday. Freshman Welcome. Registration of Second year (9.00-12.00) and all part-time students (1.00-4.00) in the School of Social Work. Last day for reports on Masters' theses. Conservatorium of Music opens for both practical and theoretical work.

September 16th, Wednesday to September 19th, Saturday inc. Freshman Orientation, Agriculture and Household Science.

September 17th, Thursday. Lectures begin in the First year of Arts, Science, Commerce, Engineering, Nursing, and Physical and Occupational Therapy and the Faculty of Music. Supplemental examinations begin in the Faculty of Divinity. Registration of First year students in the School of Social Work. Registration of students in Third year B.Sc.(Agr.).

September 18th, Friday. General Assembly and reception of all students in the School of Social Work.

September 19th, Saturday. Registration of students in upper years of Agriculture and Household Science.

September 21st, Monday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research. 9.00 a.m.-4.00 p.m. Registration of students in upper years of B.A., B.Sc., B.Com. whose names begin with the letters A-L. Registration of students in upper years of Engineering and Architecture. Late registration for First year students in Engineering. Registration of students in Library School. Registration of all students in Third and Fourth years B.Ed. Lectures begin in upper years of Agriculture and Household Science, and in the School of Social Work.

September 22nd, Tuesday. 9.00 a.m.-4.00 p.m. registration of students in upper years of B.A., B.Sc., B.Com. whose names begin with letters M-Z. Registration of all partial students in the Faculty of Arts and Science. Second year graduate nurse students and students in the upper years of the Basic Nursing Programme register in the School for Graduate Nurses. Registration of Third and Fourth year students in B.Ed.(P.E.). Lectures begin in Library School.

September 21st, Monday and September 22nd, Tuesday. Registration of Law and Divinity.

September 23rd, Wednesday. Lectures begin in upper years of Arts, Science, Commerce, Engineering, Architecture, Third and Fourth years B.Ed. and B.Ed.(P.E.), in the School for Graduate Nurses and the Faculty of Graduate Studies and Research. Registration of students in Second year of the School of Physical and Occupational Therapy. Lectures begin in Law and Divinity.

September 28th, Monday. Late registration for upper year students in Engineering.

October 6th, Tuesday. Founder's Day Convocation.
(James McGill, born October 6th, 1744, died December 19th, 1813.)

October 12th, Monday. Thanksgiving Day. No lectures. Administrative offices closed Saturday, October 10th and Monday, October 12th.

October 19th, Monday. Last day for registration at the Registrar's Office and for payment of fees for students in the Faculty of Graduate Studies and Research.

October 19th, Monday. Registration and supplemental examinations for Agriculture Diploma students.

October 20th, Tuesday. Lectures begin in Agriculture Diploma Courses.

November 11th, Wednesday. Remembrance Day Service.

November 28th, Saturday to December 12th, Saturday. Examination in German for Ph.D. students.

December 4th, Friday. Examination in French for Ph.D. students.

December 16th, Wednesday. Last day of lectures in Arts, Science, Commerce, Engineering, Architecture, School for Graduate Nurses, Third and Fourth years Education and Physical Education.

December 17th, Thursday to December 22nd, Tuesday, and January 4th, 1960, Monday to January 6th, 1960, Wednesday. Midterm examinations in Arts, Science, Commerce, Engineering, Architecture, School for Graduate Nurses, Third and Fourth years Education and Physical Education.

December 18th, Friday. Last day of lectures in the Library School.

December 19th, Saturday. Last day of lectures in all other Faculties and Schools, except Agriculture, Household Science and the School of Social Work.

December 22nd, Tuesday. Lectures end in Agriculture and Household Science and in the School of Social Work.

December 25th, Friday. Christmas Day. Administrative offices closed from 1 p.m. December 24th, Thursday to 9 a.m. December 28th, Monday.

1960

January 1st, Friday. New Year's Day. Administrative offices closed from 4 p.m. December 31st, Thursday, to 9 a.m. January 4th, Monday.

January 4th, Monday. First term examinations begin in Agriculture, Household Science, and Divinity. Second term begins in Law, First and Second years B.Ed. and B.Ed.(P.E.), Graduate Studies and all diploma courses in Education. Lectures resumed in Medicine, Dentistry, Music, the Library School and Physical and Occupational Therapy.

January 5th, Tuesday to January 7th, Thursday. Examinations in the School of Social work.

January 7th, Thursday. Second term begins in Arts, Science, Commerce, Third and Fourth years B.Ed. and B.Ed.(P.E.), Engineering and Architecture, School for Graduate Nurses.

January 8th, Friday. Second term begins in the School of Social Work.

January 11th, Monday to January 22nd, Friday. Practice Teaching Period, Institute of Education.

January 11th, Monday. Second term begins in Agriculture, Household Science, and Divinity.

January 15th, Friday. First term ends in the Library School.

January 18th, Monday to January 22nd, Friday. Examinations in the Library School.

January 25th, Monday. Second term begins in the Library School.

February 1st, Monday. Last day for application for the majority of Graduate Fellowships.

February 10th, Wednesday. Founder's Day at Macdonald College.
(Sir William Macdonald, born February 10th, 1831, died June 9th, 1917.)

February 18th, Thursday. Macdonald Royal.

February 19th, Friday to February 20th, Saturday. Mid-term weekend holiday.

March 15th, Tuesday. Final examinations begin in Agriculture Diploma courses.

March 23rd, Wednesday. Agriculture Diploma Course closing exercises.

April 2nd, Saturday. Lectures end in Divinity and in upper years of Engineering and Architecture.

April 4th, Monday to April 14th, Thursday. Practice Teaching Period, Institute of Education.

April 6th, Wednesday. Examinations begin in the upper years of Engineering and Architecture. Last day for filing Ph.D. theses.

April 13th, Wednesday. Last day for filing theses for Masters' degrees in the Graduate Faculty.

April 14th, Thursday. Lectures end in First year Engineering, in Third and Fourth years B.Ed. and B.Ed.(P.E.), and in all other Faculties and Schools except Music, Medicine, Dentistry, and the Library School.

April 15th, Friday to April 18th, Monday, inc. Easter vacation in all Faculties and Schools. Administrative offices closed.

April 20th, Wednesday. Examinations begin in Arts, Science, Commerce, First year Engineering, Third and Fourth years B.Ed. and B.Ed.(P.E.), all years Law, Divinity, Agriculture, Household Science, the School for Graduate Nurses, and the School of Physical and Occupational Therapy.

April 20th, Wednesday to April 22nd, Friday. Examinations in the School of Social Work.

April 21st, Thursday. Last day for filing M.S.W. theses for Spring Convocation.

April 22nd, Friday. Examinations begin in Music.

April 23rd, Saturday. Instruction terminates in Conservatorium of Music.

April 24th, Sunday. Baccalaureate Service at Macdonald College.

April 26th, Tuesday. Full time field work (First year) and full time research (Second year) begin in the School of Social Work.

April 27th, Wednesday. Spring Survey School for Engineering begins.

April 28th, Thursday. Last day for reports on Ph.D. theses.

April 29th, Friday to May 14th, Saturday. Final orals for Ph.D.

May 6th, Friday. Lectures end in the Library School. Examination in French for Ph.D. students.

May 9th, Monday to May 26th, Thursday. Practice Teaching Period, Institute of Education.

May 9th, Monday. Last day for reports on Masters' theses.

May 10th, Tuesday to May 17th, Tuesday. Examinations in the Library School.

May 23rd, Monday. Victoria Day. Administrative offices closed.

May 27th, Friday. Convocation.

May 29th, Sunday. Divine Service, Institute of Education and Handicrafts courses.

May 30th, Monday to June 14th, Tuesday. Examinations in First, Second and Third years Medicine.

June 2nd, Thursday. Graduation exercises, Institute of Education and Handicrafts courses.

June 3rd, Friday. Second term ends in the School of Social Work.

August 23rd, Tuesday. Last day for filing theses in School of Social Work for Autumn Convocation.

August 24th, Wednesday. Last day for filing Masters' theses in the Faculty of Graduate Studies for Autumn Convocation.

McGill University

Montreal

General Announcement

1959-1960

MCGILL UNIVERSITY LIBRARY

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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ADMINISTRATIVE OFFICERS

THE UNIVERSITY

R. E. Powell, D.Sc. (Monmouth), LL.D. — *Chancellor*

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal and Vice-Chancellor*

David L. Thomson, B.Sc., M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

George Grimson, B. Com. — *Comptroller*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

R. G. Defries, Ing. E.T.P. (Paris) — *Director of Construction Projects*

P. A. Cunningham — *Superintendent of Buildings and Grounds*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

Muriel V. Roscoe, M.A., Ph.D., D.Sc., LL.D. — *Warden of the Royal Victoria College*

W. Stanford Reid, Th.M., M.A., Ph.D. — *Warden of Douglas Hall*

Richard Pennington, B.A. — *Librarian*

E. C. Knowles, M.A., D.D. — *University Chaplain and Student Counsellor*

Rowan C. Coleman, D.S.O., M.C., B.A., LL.B. — *Director of the University Placement Service*

F. S. Howes, B.Eng., M.Sc., D.I.C., Ph.D. — *Director of Extension Courses*

Harry E. Griffiths, B.Com., M.A. — *Director of Athletics, Physical Education, and Recreation*

FACULTY OF ARTS AND SCIENCE

H. N. Fieldhouse, M.A., F.R.S.C. — *Dean*

C. D. Solin, M.A., Ph.D. — *Assistant Dean*

J. B. Bird, M.A. — *Secretary*

SCHOOL OF COMMERCE

E. W. Kierans, B.A. — *Director*

FACULTY OF MEDICINE

Lloyd G. Stevenson, B.A., M.D., Ph.D. — *Dean*

Stanley M. Banfill, B.A., M.D., C.M. — *Secretary*

FACULTY OF DENTISTRY

James McCutcheon, M.S.D., B.A., D.D.S. — *Dean*

FACULTY OF ENGINEERING

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FACULTY OF LAW

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R. I. CHEFFINS, B.A., LL.B., LL.M. — *Secretary*

FACULTY OF DIVINITY

STANLEY B. FROST, B.D., M.Th., D.Phil. — *Dean*

FACULTY OF GRADUATE STUDIES AND RESEARCH

D. L. THOMSON, M.A., Ph.D., LL.D., F.R.S.C — *Dean*

F. C. MACINTOSH, M.A., Ph.D., F.R.S. — *Secretary*

LIBRARY SCHOOL

VERNON ROSS, B.S., M.A. — *Director*

SCHOOL FOR GRADUATE NURSES

RAE CHITTICK, B.S., M.A., M.P.H., LL.D., R.N. — *Director*

SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY

GUY H. FISK, B.A., M.D., C.M., D.T.M. & H. — *Director*

HELEN M. GAULT, B.Sc. (P.&O.T.) — *Assistant Director*

SCHOOL OF SOCIAL WORK

JOHN J. O. MOORE, M.A., Ed.D. — *Director*

MACDONALD COLLEGE

H. G. DION, B.Sc., Ph.D. — *Vice-Principal of Macdonald College and Dean of the Faculty of Agriculture*

HELEN R. NEILSON M.B.E., B.H.S., M.Sc. — *Director of the School of Household Science*

R. H. PUXLEY — *Secretary*

INSTITUTE OF EDUCATION

D. C. MUNROE, M.A. — *Director*

McGill University

A BRIEF DESCRIPTION

McGill University, founded under a bequest of the Hon. James McGill, a prosperous Montreal merchant who died in 1813, was established as a university by Royal Charter in 1821. It is privately endowed, the trustees of its funds being the Board of Governors who constitute "The Royal Institution for the Advancement of Learning".

The University has nine faculties and eight schools. Particulars of these are given on pages 411 to 418. Eight of the faculties are situated in Montreal where the University Campus lies on the lower slopes of Mount Royal, the hill from which the city takes its name. Macdonald College at Ste. Anne de Bellevue, about twenty-five miles from Montreal, is an incorporated College of the University, and houses the Faculty of Agriculture, the School of Household Science, and the Institute of Education.

McGill University is undenominational and has now for many years been co-educational in most of its faculties and schools. Admission is definitely selective, the number of students accepted into each faculty being limited. In the 1958-59 session the number of men students studying for either degrees or diplomas was 5,077 and the corresponding number of women students was 2,029. These students are drawn from every province of Canada and from many other countries, the connexions with Great Britain, the West Indies, and the United States naturally being strong. At present there are in residence at the University about 135 students from Great Britain and 387 from the United States.

The following pages are intended to give in a condensed form the preliminary information that a student who contemplates entering the University would require, together with the entrance requirements of the various faculties and a list of the certificates accepted. Details of the Junior and Senior School Certificates, the entrance examinations conducted by the University, are given in the School Certificate Announcement. Separate announcements of the several faculties and schools are published and a list of these is printed on the inside of the title page. There is also a pamphlet enclosed with this announcement which gives the fees in the various faculties and schools, a description of the University residences for men and women, an account of the Health Service, and a calendar of dates. The Registrar's Office will be pleased to send one or more of these announcements to anyone interested or to answer inquiries.

VETERANS' AFFAIRS

E. Clifford Knowles, M.A., D.D. *Student Counsellor*

ADVICE

Veterans who have any problems are recommended to consult Dr. E. C. Knowles, the Student Counsellor. Dr. Knowles has his office in the Arts Building.

Visits are made periodically to Macdonald College. For anything urgent, however, students may get in touch with Dr. Knowles through the Assistant Bursar at Macdonald College.

The Faculties and Schools of the University

A BRIEF OUTLINE WITH REFERENCES

Announcements of these faculties and schools giving further details may be obtained from the Registrar's Office.

For fees see the Pamphlet of General Information enclosed with this announcement.

I. McGILL COLLEGE (FACULTY OF ARTS AND SCIENCE)

Including the School of Commerce

(*See also page 421*)

The undergraduate work of the University in Arts, in Pure Science, and in Commerce is done in McGill College, usually called the Faculty of Arts and Science. The Dean of McGill College is the Dean of the Faculty of Arts and Science. The following degrees are awarded in the Faculty:

Bachelor of Arts (B.A.)
Bachelor of Science (B.Sc.)
Bachelor of Commerce (B.Com.)
Bachelor of Education (B.Ed.)
Bachelor of Education (Physical Education) [B.Ed.(P.E.)]

In the case of the first three of these degrees, the Faculty offers both a General Degree and an Honours Degree.

The Library School and the School of Social Work are integral parts of the Faculty which, therefore, recommends to Senate candidates for the degrees of *Bachelor of Library Science* and *Master of Social Work*.

The work of students who are candidates for the degree of Bachelor of Commerce and for the degrees of Bachelor of Education and Bachelor of Education (P.E.) is supervised, under the Dean, by the Directors of the School of Commerce and of the Institute of Education, respectively. While the School and the Institute are integral parts of the Faculty, each has a separate Announcement.

Period of Resident Study in the Faculty: Four years from Junior Matriculation or three years from Senior Matriculation (see School Certificate Announcement). In the B.Ed. courses, the work of the first two years is taken at Macdonald College, at Ste. Anne de Bellevue, and the final two years are taken in Montreal.

Minimum Entrance Requirements: Junior Matriculation for admission to the First year. Junior and Senior Matriculation with second-class standing for admission to the Second year. (*See pages 422 to 425.*) The entrance requirements for students from American schools and for students from Great Britain are stated on page 431.

Application Forms: For application forms apply to the Registrar's Office.

For further particulars of this faculty, see pages 421 to 431.

II. FACULTY OF MEDICINE

Degrees offered: Doctor of Medicine and Master of Surgery (M.D., C.M.).

Diplomas offered: The Diploma of Tropical Medicine and Hygiene (D.T.M. and H.) and diplomas for advanced study in the various clinical departments of the faculty.

Period of Study in the Faculty for the Degree: Four years.

Licence to Practise: A year of interneship, or a further year of study, is required before the University certifies that a graduate is entitled to take the qualifying examination of any of the licensing boards, so that the length of the full professional course is five years.

Entrance Qualifications: The normal requirement is a B.A. or a B.Sc. degree, but students with exceptionally high qualifications may apply for admission at the end of the Third year of their course. The pre-medical work must include:—

Physics: One year of general college Physics with laboratory work.

Biology: One year of general Biology or Zoology with laboratory work. (One year of Zoology will be accepted, but Botany alone is not sufficient.)

Chemistry: Two years.

(*a*) One full year's course of General Chemistry with laboratory work.

(*b*) One full year's course of Organic Chemistry with laboratory work.

All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test, or furnish a satisfactory explanation of why they are unable to do so.

Students wishing to proceed towards medicine at McGill University are reminded that no specific "pre-medical" course is offered. Work preparatory to Medicine is taken while students are proceeding regularly towards the B.A. or the B.Sc. degree in the Faculty of Arts and Science. Students who are preparing for entrance to the Faculty of Medicine are advised that they should not choose subjects which properly belong to the medical course, but should devote their time to securing a thorough preparation in the fundamental scientific and humanistic subjects.

Students are strongly advised to make themselves familiar with the licensing regulations of the province or state in which they intend to practise and to take the necessary steps to become registered. The University requires Canadian students to register with the licensing body of their province before beginning their medical course.

Since the University can accept only a small percentage of those who apply, application should be made to the Secretary of the Faculty of Medicine as early as possible and in no case after January 1st.

For further details apply to the Secretary of the Faculty. Application forms for admission into the Faculty of Arts and Science or for admission directly into the Faculty of Medicine may be obtained from the Registrar's Office.

III. FACULTY OF LAW

The course in the Faculty of Law provides a liberal education in legal principles and theory, and prepares students for the legal and notarial professions as well as for public service and business. In the field of private law, the curriculum is based on the Civil Law system and in particular on the Quebec Civil Code; in the field of public law, stress is laid on Constitutional, International, and Administrative Law, and on the new institutions and procedures resulting from the increased rôle of government in the modern state.

Degree offered: Bachelor of Civil Law (B.C.L.)

Period of Study for the degree: Three years.

Students proceeding to the legal and notarial professions are required to take an additional year of practical training and to pass further examinations.

Language Requirement: Students should be able to read French easily, and reasonable fluency in spoken French is recommended for those who intend to practise in the Courts of this Province.

Entrance Qualifications: To be qualified for admission to the Faculty a student must have obtained a B.A. degree from a Canadian university or a university or college of which the degree is recognized by McGill University as equivalent.

In exceptional cases students who do not intend to practise either the legal or notarial profession may be admitted to the Faculty if they have successfully completed two years in the Faculty of Arts and Science at McGill University, or have attained an equivalent educational standard and are intellectually qualified to pursue with advantage the study of law.

In order to be admitted to the study of law by the Quebec Bar, candidates must hold the degree of B.A. from a Canadian university or a

university or college of which the degree is recognized jointly by Laval, McGill, Montreal, Ottawa, and Sherbrooke universities and in addition by the Bar, and satisfy the Bar examiners that they have successfully completed "the regular course in Philosophy" in an approved university. In order to be admitted to the legal profession they must be Canadian citizens.

Candidates for admission to the notarial profession must be Canadian citizens and hold the degree of B.A. from a Canadian or English university or a University or College the degree of which is recognized as the equivalent by Laval, McGill, and Montreal Universities. They are required to have studied Latin and Philosophy.

Further information regarding admission to the Bar may be obtained by applying to Mr. Charles Coderre, Q.C., 170 Dorchester St. E., Montreal, or by consulting the Bar Act of the Province of Quebec. Information regarding admission to the Notarial profession can be obtained by applying to Mr. Arthur Courtois, Room 320, New Court House, Montreal, or by consulting the Notarial Code, 1941 R.S.Q., chap. 263 (as amended).

Application forms for admission may be obtained from the Secretary of the Faculty.

IV. FACULTY OF ENGINEERING

Degrees offered: (1) Bachelor of Engineering (B.Eng.), in the Departments of Chemical, Civil, Electrical, Mechanical, Metallurgical, and Mining Engineering, and in Engineering Physics; (2) Bachelor of Architecture. (*See* School of Architecture, *below*.)

Period of Study for the Degree: Five years from Junior Matriculation.

Entrance Qualifications: 1959 only— For admission to the First year, Junior Matriculation as for B.Sc. with an average mark of at least 60% and with definite strength in Mathematics and Science (see page 422). For admission to the Second year, full B.Sc. Junior Matriculation, and Senior Matriculation in English, Mathematics (Algebra, Trigonometry, and Coordinate Geometry), Physics, Chemistry, and one of Biology, French, Geography, German, History, Latin, or Spanish. The regulations are given in full in the School Certificate Examinations Announcement and in the Announcement of the Faculty of Engineering.

1960: As for B.Sc.

Students should not contemplate entering the Faculty of Engineering unless they have more than average mathematical ability. The minimum requirements in this subject are stated in the School Certificate Announcement. For further details see the Announcement of the Faculty of Engineering.

V. SCHOOL OF ARCHITECTURE (IN THE FACULTY OF ENGINEERING)

Degree offered: Bachelor of Architecture (B.Arch.).

Period of Study for the Degree: Six years from Junior Matriculation.

The entrance requirements in Architecture are the same as those for the Engineering courses (*see above*). The length of the course is six years, the first year being identical with the first year in Engineering.

For further details, see the Announcement of the Faculty of Engineering.

VI. FACULTY OF DENTISTRY

Degree offered: Doctor of Dental Surgery (D.D.S.).

Period of Study in the Faculty for the Degree: Four years.

The minimum requirement for admission to the dental course is the satisfactory completion of two full years of study in a recognized College or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: English and Mathematics, one year of each; Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work (half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone); Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work.

Graduation with the degree does not carry with it the right to practise. Each Province and State has differing licensing requirements.

To be qualified to practise in the Province of Quebec, a student must have taken at least two years of the B.A. or B.Sc course in an English university of Canada recognized by McGill University. The student should also register with the College of Dental Surgeons of the Province of Quebec as soon as he is admitted to the First Year of the Faculty of Dentistry.

VII. FACULTY OF AGRICULTURE

This faculty is housed in Macdonald College at Ste. Anne de Bellevue, twenty-five miles from Montreal.

Degree offered: Bachelor of Science in Agriculture [B.Sc. (Agr.)].

Diploma offered: Diploma in Agriculture.

Period of Study in the Faculty for the Degree: Four years.

For entrance qualifications, fees, and further details, see the Announcement of Macdonald College, which may be obtained from the Registrar, Macdonald College, P.Q.

VIII. FACULTY OF MUSIC

Degree offered: Bachelor of Music (Mus.B.).

Diplomas offered: Licentiate in Music (L. Mus.).
Associate in Music (A. Mus.).

Minimum period of study in the Faculty for the Degree: Four years.

For further details see the Announcement of the Faculty of Music.

IX. FACULTY OF DIVINITY

Degree offered: Bachelor of Divinity (B.D.).

Period of Study for the Degree: Three years.

Entrance Qualifications: A Bachelor's degree (preferably B.A.) from a recognized University.

For details, see the Announcement of the Faculty of Divinity.

X. FACULTY OF GRADUATE STUDIES AND RESEARCH

Degrees offered: Master of Arts (M.A.), Master of Science (M.Sc.), Master of Engineering (M.Eng.), Master of Architecture (M.Arch.), Master of Sacred Theology (S.T.M.), Master of Civil Law (M.C.L.), Master of Science (Applied) [M.Sc.(Appl.)], Master of Library Science (M.L.S.), Master of Laws (LL.M.), Doctor of Philosophy (Ph.D.).

For details consult the Announcement of the Faculty of Graduate Studies and Research.

XI. SCHOOL OF HOUSEHOLD SCIENCE (IN THE FACULTY OF AGRICULTURE)

(Women Only)

Degree offered: Bachelor of Science in Home Economics [B.Sc. (H.Ec.)].

Period of Study for the Degree: Four years.

For entrance requirements and other details see the Announcement of Macdonald College which may be obtained from the Registrar, Macdonald College, P.Q.

XII. LIBRARY SCHOOL (IN THE FACULTY OF ARTS AND SCIENCE)

Degree offered: Bachelor of Library Science (B.L.S.).

Period of Study: One year.

Entrance Qualifications: Bachelor's degree.

For details see the Announcement of the Library School.

XIII. SCHOOL FOR GRADUATE NURSES

(IN THE FACULTY OF MEDICINE)

DIPLOMA COURSES

One-year programmes in:

1. Teaching and Supervision in Schools of Nursing with specialization in Teaching of the Basic Sciences, Medical-Surgical Nursing, Psychiatric Nursing, and Maternal and Child Health Nursing. (Students may elect to do the major part of their work in either Pediatric Nursing or Obstetric Nursing.)
2. Public Health Nursing.

Entrance Qualifications: Junior Matriculation or its equivalent, and graduation from an approved school of nursing.

Satisfactory professional experience is a prerequisite.

DEGREE COURSES

Bachelor of Nursing

Two-year programmes leading to the degree of Bachelor of Nursing (B.N.), with study in two main areas:

1. Advanced Nursing Education (with opportunity to continue study in the special field selected in First year) *or* Administration in Hospitals and Schools of Nursing.
2. Administration and Supervision in Public Health Nursing.

Entrance Qualifications: Senior Matriculation or its equivalent, and graduation from an approved school of nursing.

Satisfactory professional experience is a prerequisite.

Bachelor of Science in Nursing

This programme prepares high-school graduates for professional nursing in all clinical fields including public health. The programme combines general education with the knowledge and skills essential to the practice of nursing. The course is five years in length for students entering with McGill Junior Matriculation and four years for those entering with McGill Senior Matriculation, provided they have met the requirements of the first year of the programme.

Entrance Qualifications: McGill Junior Matriculation, or its equivalent, with a general average for all papers of at least 65 per cent.

XIV. SCHOOL OF SOCIAL WORK

(IN THE FACULTY OF ARTS AND SCIENCE)

A two-year graduate course leading to the degree of Master of Social Work (M.S.W.).

Entrance Qualifications: A Bachelor's degree from a university or college of recognized standing. Applicants should have completed, with superior standing, an undergraduate course providing a broad liberal education, with a substantial core in the social sciences, particularly sociology, psychology, economics, and political science.

For details see the separate Announcement of the School of Social Work.

XV. SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY

(IN THE FACULTY OF MEDICINE)

(Women Only)

Period of Study: Three years in the School leading to the Diploma of Physical or of Occupational Therapy. Five years in the School leading to a degree in Physical and Occupational Therapy [B.Sc.(P.&O.T.)].

Entrance Qualifications: Junior Matriculation or its equivalent.

For further particulars see the separate Announcement of the School of Physical and Occupational Therapy.

XVI. FRENCH SUMMER SCHOOL

(IN THE FACULTY OF ARTS AND SCIENCE)

A residential summer school with an entirely French staff, offering undergraduate and graduate courses.

Dates: 29th June to 11th August.

Inclusive Fee (tuition, room, and board): $330.

For special Announcement apply to the Director, French Summer School, Arts Building, McGill University.

XVII. GEOGRAPHY SUMMER SCHOOL

(IN THE FACULTY OF ARTS AND SCIENCE)

A residential six weeks' summer school held at Stanstead, Que., and offering undergraduate and graduate courses.

Dates: June 28th, August 7th, 1959.

For special Announcement, apply to the Director, Geography Summer School, McGill University, Montreal.

XVIII. INSTITUTE OF EDUCATION

(IN THE FACULTY OF ARTS AND SCIENCE)

The School for Teachers and the School of Physical Education are part of this Institute.

Degrees offered: Bachelor of Education, and
Bachelor of Education (P.E.)
Master of Arts (Education)

Diplomas offered: Diploma in Physical Education, and First, Second, Third and Kindergarten Diplomas (issued by the Central Board of Examiners, Quebec).

Period of Study: Degree courses—four years (two years at Macdonald College and two years at McGill University.

Diploma in Physical Education—two years
Other Diplomas—one and two years

For further details, see the Announcement of the Institute of Education.

APPLICATION FOR ADMISSION TO ALL FACULTIES

Application forms for all years in the Faculties of Arts and Science, and Engineering, and for the First year in Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Application for admission to other faculties or years should in the first instance be made by letter to the Registrar.

All letters of inquiry should indicate the degree or diploma in which the candidate is interested, so that specific advice can be given regarding entrance requirements.

ADMISSION FROM OTHER UNIVERSITIES

A student of another university applying for advanced standing or for exemption from any subject or subjects which he has already studied must submit with his application a certified copy of his academic record, and may in addition be required to submit a Calendar or Bulletin of the University in which he has previously studied. He should also arrange to have sent separately to the University a confidential report from an officer of instruction or administration who is familiar with his work.

RESIDENTIAL ACCOMMODATION

The University maintains a number of residences which are described in the General Information Pamphlet enclosed with this Announcement. Space is limited, however, and the University does not undertake to provide living accommodation for all *men* students. Application for, and admission into, an academic course are entirely separate from application for, and admission into, a University residence. Residential application forms can be obtained from the individual residence or from the Registrar's Office.

SCHOLARSHIPS AND BURSARIES

Details of the University Entrance Scholarships and of other scholarships, bursaries, and loan funds are given in the Scholarships Announcement which may be obtained from the Registrar's Office.

PHYSICAL EDUCATION REQUIREMENT

All students in the First year of the Faculty of Arts and Science, the Faculty of Engineering and in the degree courses in Music and the School of Physical and Occupational Therapy are required to take and complete a programme in Physical Education.

FOREIGN STUDENTS

McGill University welcomes properly-qualified foreign students provided they have an adequate knowledge of written and spoken English. Their qualifications are normally judged upon the results of their academic record in the country they come from and there are no special entrance examinations for them. In the summer of 1959, the University will offer an intensive summer course in English Language to all students who have been admitted to their First year at the University and whose native tongue is not English. This intensive course will extend for four weeks from August 10th, to September 4th, 1959. It must be emphasized that all lectures, seminars, etc., in the University are conducted in English, and that many students in the past have failed in their academic studies because of inadequate proficiency in the English language. All students who are not thoroughly familiar with the English language are, therefore, *strongly advised* to take this course. In subsequent years attendance at this summer School may be made a requirement for admission. Students in attendance this year will not be housed in a University residence, but will be assisted in finding suitable living accommodation. Full particulars including tuition fees and living costs, may be obtained from the Registrar's Office.

The Faculty of Arts and Science

For further particulars see page 411 and also the separate Announcement of the Faculty.

The undergraduate work of the University in the Humanities, and in Social Sciences (B.A.), in the Physical and Biological Sciences (B.Sc.), and in Commerce (B.Com.) is done in McGill College, usually called the Faculty of Arts and Science. Complete details of these courses are given in the separate Announcements of the Faculty of Arts and Science and the School of Commerce, but the information on page 411 and the following notes will, it is hoped, answer most of the inquiries a student entering the First or Second year of the Faculty would wish to make before actually coming to the University.

Correspondence should in the first instance be sent to the University Registrar.

WOMEN STUDENTS

Women are admitted to the courses and to the degrees of the Faculty on the same terms as men.

Women students whose homes are outside Montreal must make application for residence before May 31st to the Warden of the Royal Victoria College. At the same time, they must submit their academic applications. Forms for these purposes are obtainable from the College or from the Registrar's Office. (*See also pages 307 to 310 of the General Information Pamphlet enclosed with this Announcement.*)

AGE OF ADMISSION

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

ENTRANCE REQUIREMENTS

Eligibility to enter the University through Junior or Senior Matriculation is determined fundamentally by reference to the standards maintained by the McGill School Certificate Examinations. These examinations are described in detail in the School Certificate Examinations Announcement, but the names of the required papers are given below. The pass mark is in all cases 50%. Certain other public examinations also recognized for admission to the University are listed on pages 430 and 431. A student with incomplete qualifications cannot be admitted as a regular undergraduate.

ENTRANCE THROUGH McGILL SCHOOL CERTIFICATE EXAMINATIONS

1. ENTRANCE TO THE FIRST YEAR (Junior Matriculation)

To qualify for admission to the first year of the Faculty of Arts and Science a candidate must pass within a period of sixteen months in each of the ten McGill School Certificate papers listed below, or their recognized equivalents.

If a candidate has failed in a paper or if his average falls below the required value, he may ask for reconsideration of his application on the basis of re-written papers, but the final mark will be counted in all cases.

(*a*) *For admission to the First year of the B.A. course* a candidate must pass in each of the following papers in the University's Junior School Certificate and obtain an average of at least 65% on the examination as a whole.

No. of Papers	Subject
2	English
1	General History
2	Latin *or* Greek
2	French; Latin; Greek; German; *or* Spanish; (a language not already chosen)
2	Elementary Algebra *and* Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Drawing; Geography; British or Canadian History; Physics; Music; Intermediate Algebra; Trigonometry; *or* a foreign language not already chosen (the average of the two papers in a foreign language is counted).
10 papers	

A candidate who has not taken Latin or Greek in the entrance examination may be admitted if he has the full B.Sc. qualifications with an average mark of at least 70%. If he is admitted he will be required to include two years of Latin or Greek in his B.A. programme.

(*b*) *For admission to the First year of the B.Sc. course* a candidate must pass the following papers in the University's Junior School Certificate Examination and normally obtain at least 70% upon the examination as a whole. Special consideration may, however, be given to B.Sc. candidates who have secured an average of 65% to 70% and have shown special distinction in such scientific subjects as they have taken in their matriculation, i.e., Mathematics, Chemistry, Physics, Biology, or Botany.

No. of Papers	Subject
2	English
1	General History
2	French *or* German (both papers)
1	Elementary Algebra
1	Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen), *or* any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry (c) Biology *or* Botany (Biology *and* Botany may not both be chosen) (d) Chemistry (e) Geography (f) Physics (g) British *or* Canadian History (h) Music *or* Drawing (Music *and* Drawing may not both be chosen)
10 papers	

(*c*) *For admission to the First year of the B.Com. course* a candidate must have satisfied *either* the requirements for entrance to the B.A. *or* the requirements for entrance to the B.Sc. course.

(*d*) *For admission to the First year of the B.Ed. or B.Ed. (P.E.) course* a candidate must fulfil the requirements for admission to the first year of the B.A. or the B.Sc. course. Students applying for admission by means of the Quebec High School Leaving examinations may offer Agriculture, Household Science, or North American Literature as optional papers.

2. ENTRANCE TO THE SECOND YEAR (Senior Matriculation)

A candidate may be considered for admission to the Second year of the Faculty of Arts and Science if he has passed in the appropriate ten papers of the McGill Junior School Certificate Examination, or their recognized equivalents, and if he has passed within a period of sixteen months in the papers of the McGill Senior School Certificate Examination, or their recognized equivalents, with an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65% to 70% if they have obtained high standing in all such subjects as they have taken in the examination which are appropriate to the degree course which they wish to enter. These are: *in Arts*—English, Languages, History; *in Science*—Mathematics, Physics, Chemistry, Biological Science; *in Commerce*—English, History, Mathematics.

The same provisions regarding re-written papers apply to Senior Matriculation as apply to Junior Matriculation (see page 422).

Only in exceptional circumstances may a student who has not qualified for entrance to the First year through Junior Matriculation be admitted to the Second Year by Senior Matriculation alone.

(*a*) *For admission to the Second year of the B.A. course* —
English
Latin *or* Greek
Mathematics (*see footnotes* [1] *and* [2])

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[1]Two papers: one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry. The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

[2]All B.A. candidates are advised to offer Mathematics as one of the Senior Matriculation subjects. If, however, a student intends to follow an Honours course in one of the Humanities, or in Political Science, or in History, he may in certain circumstances be permitted to offer another subject in which he has shown marked proficiency in place of Mathematics. The regulations governing the matter are quite specific, and any student who contemplates making the substitution should, *before he commences his Senior Matriculation year*, consult the School Certificate Examinations Announcement or the Announcement of the Faculty of Arts and Science to make sure that he is eligible.

Any two of the following:—

1. History
2. Latin *or* Greek (the one not already chosen)
3. French
4. German
5. Spanish
6. Science (Physics *or* Chemistry *or* Biology)
7. Music
8. Geography

Candidates who intend to apply for entrance to the Faculty of Medicine at the end of the Third year of the B.A. course must take Mathematics.

(*b*) *For admission to the Second year of the B.Sc. course* —

English
Mathematics[1]
Physics
Chemistry
French *or* German[2] *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography

(*c*) *For admission to the Second year of the B.Com. course* —

English
Mathematics[1]
Accountancy[3]
A modern foreign language
History, *or* a second foreign language, *or* a Science (including Geography)

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[1]For B.Sc. and B.Com.—two papers, one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry.

The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

[2]A candidate who has passed the two papers in Junior French may obtain Senior B.Sc. or B.Eng. standing in German by passing the Junior examinations in this subject.

[3]Applications of students who have substituted another subject for Accountancy may be considered if their standing is high enough.

FURTHER INFORMATION

Full details of the above examinations are given in the School Certificate Examinations Announcement.

APPLICATION FOR ADMISSION

It is advantageous for out-of-town candidates to make preliminary application, on the proper forms, as early in the year as possible, supplementing this later with the required certificates, transcripts, etc., as these become available.

Applicants should note that clear photo-copies of original documents are acceptable if submitted in duplicate. Sending such copies avoids the risk of losing the originals in the mails.

The Admissions Committee also requires a confidential report from the Principal of the applicant's school. This may if desired be made on a form obtainable from the Registrar.

Students whose native language is not English must satisfy the Assistant Dean that their command of written and spoken English is adequate.

The number of students admitted is limited, and the Faculty is not bound to accept all applicants who have passed the required examinations.

CLASSES OF STUDENT IN THE FACULTY

(1) *Regular Undergraduates:* Students with complete matriculation qualifications taking the regular work of their year towards a degree.

(2) *Limited Undergraduates:* Students with complete matriculation qualifications who have been given the permission of the Dean of the Faculty to distribute the four years' work over five or more years (but not more than eight years), on the understanding that the sequence of courses conforms to the regular undergraduate rules and time table.

Limited Undergraduates are not eligible for scholarships, bursaries, or prizes of any description and may not read for an honours degree.

(3) *Partial Students:* Students not registered as proceeding to a degree who are allowed to take one or more lecture courses. Partial students must obtain the Dean's permission to register and must satisfy the lecturer in the course concerned that they have sufficient ability to do the work in such a course. Applications may be refused if limitation of space in lecture rooms and laboratories requires it. A student who has tried and failed to matriculate is not allowed to register as a partial student except in special circumstances.

If a partial student hopes to secure credit for a course, he or she must fulfil all the requirements of classroom work and tests which are prescribed for that course for regular students.

A partial student who has successfully passed the courses of a previous year is not necessarily accepted at a later session.

Subject to the above limitations, lectures are open to partial students in both honours and general classes. Such a student may request the Registrar to issue a certificate stating that he has followed certain courses and showing his class standing in each. Work taken by a partial student cannot, however, be counted towards a McGill degree without a special vote of Faculty.

Partial students are not eligible for scholarships, bursaries, medals, or prizes.

PERIOD OF STUDY

The regular length of the course for a B.A., B.Sc., or B.Com. degree is four years from Junior Matriculation, or three years from Senior Matriculation. Students from other universities are sometimes admitted to the upper years, but the bachelor's degree is never conferred upon a student who has spent less than two years in the Faculty.

REGISTRATION

First year students register on Tuesday, September 15th, in the Sir Arthur Currie Gymnasium-Armoury. Science and Commerce students register from 9.00 a.m. to 12.00 noon; Arts Students from 1.30 to 4.00 p.m.

Upper year students in Arts, Science, and Commerce whose names begin with the letters A to L and all Third and Fourth year B.Ed. students register on Monday, September 21st from 9.00 a.m. to 4.00 p.m.

Upper year students in Arts, Science, and Commerce whose names begin with the letters M to Z and all partial students register on Tuesday, September 22nd from 9.00 a.m. to 4.00 p.m.

After the above official days of registration a special late registration fee must be paid (see General Information pamphlet).

No student is admitted after October 1st except by special permission of the Dean.

Special regulations for the registration of women students are given in the General Information pamphlet.

ADVISERS

Students may consult the Dean, any of the Group Chairmen, or the Assistant Dean, at any time. Women students may also consult the Warden of the Royal Victoria College.

FIRST YEAR PROGRAMME

The academic programme of a student in the First year of the Faculty is generally similar to the Senior Matriculation subjects (*See pages 424 and 425*) required for direct admission to the Second year, but a greater number of optional subjects is provided within the University. An exception is the compulsory course in Economic History in the First year of Commerce, for there is no course equivalent to this in Senior Matriculation.

ADVANCED COURSES IN THE FIRST YEAR

The Departments giving instruction in the First year offer special lectures or work of a more advanced character to students with adequate qualifications. These advanced courses are generally arranged by the Departments when lectures actually commence.

Students in the First year who have the necessary qualifications may be permitted by the Dean to take one or more Second year courses.

GENERAL DEGREES AND HONOURS DEGREES

An undergraduate in the Faculty of Arts and Science may proceed to a General Degree, involving the study of a fairly wide range of subjects with a limited amount of specialization, or to an Honours Degree which, after the Second year, necessitates almost complete specialization in either one or two subjects. For details see the Announcement of the Faculty of Arts and Science.

The word "Honours" is used in the Faculty of Arts and Science in the above sense only. Students who have shown marked ability while proceeding to a General Degree may be awarded Distinction or Great Distinction upon graduating, but do not obtain Honours.

COURSES

Study for degrees in the Faculty is conducted by the following Departments:

Anatomy
(s) Bacteriology and Immunology
(s) Biochemistry
(s) Botany
(s) Chemistry
(a) Classics (Latin and Greek)
(a) Economics and Political Science
Education
(a) English (including some work in Theatre Arts)
Fine Arts
(s) Genetics

(a,s) Geography
(s) Geological Sciences
(a) German and Russian
(a) History
(a,s) Mathematics
Music
(a) Philosophy
(s) Physics
(s) Physiology
(a,s) Psychology
Religion
Romance Languages
[French(a); Spanish, Italian]
(a) Sociology and Anthropology
(s) Zoology

Certain interdepartmental courses are offered as well

Departments offering Honours courses for the B.A. degree are marked (a): those offering Honours courses for the B.Sc. degree are marked (s).

Students proceeding to the B.Com. degree also take courses in

Accounting
Business Organization and Industrial Management
Commercial Law
Marketing

B. Com. students who undertake sufficiently specialized work in Economics or Political Science (Public Administration) may obtain an Honours degree in one or other of these subjects.

ATTENDANCE

Students in the First and Second years are required to attend at least seven-eighths of the total number of lectures and of the total number of laboratory periods in each course.

EXAMINATION MARKS

The pass mark in all examinations is 50 per cent, and the minimum marks for first and second class standing are 80 per cent and 65 per cent respectively.

THE TWO TERMS

The regular session is divided into two terms, the first starting about the end of September and the second starting in early January. In the first term, however, lectures in the compulsory courses of the First year begin a week earlier. (For Calendar, see the General Information Pamphlet.) Students commencing a year in the Faculty are normally permitted to enter only at the beginning of the Fall term.

ADMISSION TO THE SECOND AND THIRD YEARS

Applications for entrance to the Second and Third years of the Faculty should be made to the Registrar's Office on the proper forms, and must

be accompanied by complete details of previous school and university work. (*See also pages 419, 424.*)

To obtain a bachelor's degree a student must spend at least two years in McGill College.

CONCERNING STUDENTS WHO INTEND TO PROCEED INTO THE PROFESSIONAL FACULTIES

Each undergraduate in the Faculty is required to register for one of the bachelor's degrees offered (see page 411), and, unless otherwise instructed by the Dean, must follow the regular work of his year toward this degree.

Students intending to transfer into one of the professional faculties before graduating in Arts and Science should make themselves familiar with the entrance requirements of the faculty they seek to enter and should see that the courses they choose conform with these requirements.

For details concerning the granting of the B.A. or B.Sc. degree to students who transfer into the Faculty of Medicine or the Faculty of Dentistry at the end of the Third year, see the Announcement of the Faculty of Arts and Science.

SCHOLARSHIPS AND BURSARIES

A separate announcement giving details of scholarships and bursaries may be obtained from the Registrar's Office.

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

McGill University recognizes a number of public examinations as conferring, in certain circumstances, the equivalent of Junior or Senior Matriculation standing for admission to the Faculty of Arts and Science, the Faculty of Engineering, and other faculties and schools.

The Admissions Committees of the various faculties require generally that:

(1) The certificate has been obtained under no easier conditions than those of McGill Matriculation.

(2) The subjects of the examination and the school course followed are those the University requires.

(3) The school records and confidential reports are satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without first having obtained an official acceptance of their application.

The following gives a brief outline of the certificates and examinations *which will be considered on their merits* towards meeting the University entrance requirements. For more extensive lists and further details see the School Certificate Examinations Announcement.

1. *For admission to the First year of the B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., B.Sc.(Agr.), B.Sc.(H.Ec.), B.Ed.(P.E.), B.Sc.(N.), and B.Sc. (P.&O.T.) courses:*

Canada

The recognized Junior Matriculation or equivalent examinations of the various provinces.

Great Britain

In the General Certificate of Education, passes in five suitable subjects excluding Religious Knowledge will be the normal standard for admission.

Intending students should confirm that the subjects they are offering are suitable for their proposed course of study.

United States

The tests of the College Entrance Examination Board. All candidates from the United States are advised to write these tests, preferably at the January or the March session. The Scholastic Aptitude tests and three Achievement tests, the latter chosen in consultation with the applicant's school Principal, should be taken. Further particulars are available from the Registrar's Office.

Miscellaneous

Other certificates such as those issued by universities or public examining boards will be judged on their merits and accepted if they meet all the University requirements.

2. *For admission to the Second year of the B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., B.Sc.(Agr.), B.Sc.(H.Ec.), B.Ed.(P.E.), and B.Sc. (P.&O.T.) courses, and to the graduate degree course in Nursing:*

Canada

The recognized Junior and Senior Matriculation or equivalent examinations of the various provinces.

Great Britain

In the General Certificate of Education, passes in five at Ordinary level and two appropriate subjects at Advanced level.

United States

Completion of one year in an approved college with a suitable syllabus and good grades.

McGill University

Montreal

School Certificate Examinations

June and August 1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

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The School Certificate

The Junior School Certificate examination is intended as a test for pupils who are completing their secondary school education.

The requirements for the certificate are given below, and also the requirements for admission to various courses at McGill University. It must be emphasized that these are not the same thing. To matriculate, i.e. to enter the University, a candidate must write and pass all the papers required by the faculty he wishes to enter and obtain the average mark the faculty has set. Thus, to enter the Faculty of Arts and Science an applicant must write ten papers (see page 511), although he may obtain the Junior School Certificate by writing eight papers only.

The Senior School Certificate examination is intended as a corresponding test for pupils who have done one year of academic work beyond that required for the Junior School Certificate.

The standard of the senior papers is approximately that of the First Year examinations in the Faculty of Arts and Science, but the certificate does not automatically confer the right to enter the Second Year of any university course.

For the conditions under which these certificates will admit into the various faculties of the University, see pages 511 to 514 and pages 533 to 535.

School Certificate Examinations

GENERAL REGULATIONS

JUNE AND AUGUST EXAMINATIONS

The School Certificate examinations are held in June and August— in June at McGill University and also at local centres; in August at McGill University only. The time-tables for these examinations are issued in February each year.

All inquiries relating to the examinations should be addressed to the Registrar of the University.

APPLICATION FORMS

Every candidate for examination is required to fill in an application form and return it to the Registrar's Office with the necessary fee before the 1st of May* or the 1st of August, for the June or August examinations respectively. After these dates applications may be accepted for the Montreal centre only. A special late fee of $1.00 is charged for such applications.

FEES

Junior Examination. The Junior Examination fee is $3.00 per paper with a maximum fee of twenty dollars.

Senior Examination. The Senior Examination fee is $3.00 per paper with a maximum fee of twenty dollars.

REGULATIONS CONCERNING FEES

In centres outside Montreal candidates may be required to pay the whole or part of the expenses of invigilation.

A fee of $1.00 is charged for late applications (*see above*).

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*Candidates wishing to take the examinations in Oral French (*see pages 520 and 543*) at a centre outside Montreal must notify the Registrar in writing before the *first of April* in addition to making application on the usual forms. The University will then decide whether this examination can be held at the requested centres.

No refunds are paid to candidates after the last day of registration (1st May or 1st August), excepting only when a candidate is absent throughout the whole examination on account of illness, and a medical certificate to this effect is presented within four weeks of the close of the examination.

Fees paid for one examination cannot be credited towards a subsequent examination.

CERTIFICATES

The examinations may be taken in parts but the University will issue a School Certificate only on the results of examinations written within a period of sixteen months.

School Certificates are issued only to candidates who have passed the complete University School Certificate Examination.

TEXTBOOKS

JUNIOR SCHOOL CERTIFICATE

The University does not recommend or refer to specific textbooks in the syllabi of its Junior School Certificate Examinations, except in Mathematics. Set "texts", however, form an essential part of the language papers.

SENIOR SCHOOL CERTIFICATE

The University has also discontinued the recommendation of some of the Senior School Certificate textbooks, but in some subjects it is considered desirable that the work should follow closely that of the corresponding course in the first year of the Faculty of Arts and Science, and in such subjects the textbooks used in the University courses have been retained as Senior School Certificate textbooks for the present.

CONSULTATION WITH DEPARTMENTS

The University Departments concerned will be pleased to give school principals or specialist teachers advice concerning methods or books of reference, and to discuss problems that may arise in connection with the syllabi for either the Junior or the Senior School Certificate Examinations. The Assistant Registrar will be glad to arrange such conferences.

PREVIOUS PAPERS

Books containing the examination papers set in either June or August of any one year may be obtained from the University Bookstore, at 25 cents a copy, so long as quantities last.

PUBLICATION OF RESULTS

Each candidate will receive a statement of his results as soon as they are ready. The certificates are sent to successful candidates a little later.

A list of the successful candidates is published in the Press. This list gives the class of the certificates obtained and any distinctions gained, but does not give any relative order of merit within the three classes.

The actual marks in each paper are sent to each candidate and are given on the back of the certificate but are **not** otherwise published.

Junior School Certificate

REQUIREMENTS FOR THE CERTIFICATE

To obtain a School Certificate a candidate must complete the requirements within a period of sixteen months. This allows four attempts in the June and August examinations of two successive years.

For first and second-class certificates two attempts only are allowed. For details, see page 510.

The pass mark in each paper is fifty per cent. To obtain the certificate a candidate must write eight papers chosen according to the regulations that follow and must *either* pass in every paper *or* obtain an average of at least sixty per cent in the eight papers with no individual mark below forty per cent.

COMPULSORY PAPERS

English Literature
English Composition
*French Written paper

OPTIONAL PAPERS

Five papers on optional subjects must be chosen from not less than two of the three groups below:

GROUP I	GROUP II
Algebra	French Oral examination
Geometry	German (two papers)
Chemistry	Spanish (two papers)
Physics	Latin (two papers)
Botany	Greek (two papers)
Biology	
Intermediate Algebra	
Trigonometry	
Higher Arithmetic	

*The University may, in special circumstances, permit candidates to substitute another modern language for French.

GROUP III

General History
British History *or* Canadian History
Geography
Art
Music

A candidate may write more than eight papers—in fact ten are required for entrance to the University (see page 511)—but the certificate is awarded on the eight papers only. If a successful candidate writes more than eight papers, the class of the certificate he receives is reckoned on the subjects in which he has the highest marks. If such a candidate offers a subject, such as Latin, which has two papers, the marks in both these papers must either count towards the certificate or be neglected, i.e., a candidate cannot count towards his certificate the better of two Latin marks and the better of two German marks.

FIRST, SECOND, AND THIRD CLASS CERTIFICATES

Successful candidates are awarded a School Certificate of the first, second, or third class.

To obtain a first or second class certificate a candidate must complete the examination in not more than two attempts within a period of sixteen months and may write a part of the examination at each attempt. The marks obtained in his first attempt will always be counted towards a third class certificate, but will not be counted towards a first or second class certificate if he fails in more than one paper. To obtain a first or second class certificate such a student must rewrite the whole examination, and the certificate will be awarded solely on the marks obtained at the second attempt.

An average of 80% or over in all the papers required for the certificate entitles a candidate who has complied with the previous regulation to a first class certificate.

An average of 70% or over obtained under the same conditions, entitles a candidate to a second class certificate. Other successful candidates receive a third class certificate.

DISTINCTIONS

Candidates who obtain 80% or over in any subject are given distinction in this subject. Distinction is not given in *single* papers of Mathematics or the languages (including English).

ENTRANCE REQUIREMENTS OF FACULTIES ADMITTING STUDENTS ON THE BASIS OF THESE EXAMINATIONS
(JUNIOR MATRICULATION)

FACULTY OF ARTS AND SCIENCE

To qualify for admission to the First year of the Faculty of Arts and Science a candidate must pass (i.e. obtain 50%) within a period of sixteen months in each of the ten McGill School Certificate papers listed below, or their recognized equivalents. For entrance to the B.A. course an average mark of at least 65% must be obtained in ten papers including two in Latin or in Greek. If neither Latin nor Greek is included the average required is 70%.

For entrance to the First year of the B.Sc. course, the candidate must normally obtain an average of at least 70%. Special consideration may, however, be given to B.Sc. candidates who have secured an average of 65% to 70% and have shown distinction in subjects related to the course they wish to enter.

To enter the B.Com. course, a candidate must have the qualifications listed above for either the B.A. or the B.Sc. course.

Entrance qualifications for the B.Ed. and B.Ed.(P.E.) courses are shown on page 513.

ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.A. DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	General History
2	Latin *or* Greek*
2	Written and Oral French *or* two papers in Greek *or* Latin (the one not already chosen), *or* German, *or* Spanish.
2	Elementary Algebra Elementary Geometry

*A candidate who has not taken Latin or Greek in the entrance examination may be admitted if he has the full B.Sc. qualifications with an average mark of at least 70%. If he is admitted he will be required to include two years of Latin or Greek in his B.A. programme.

1	One of the following: Biology; Botany; Chemistry; Art; Geography; Physics; Music; Intermediate Algebra; Trigonometry; Canadian History *or* British History; a foreign language not already chosen (the average of the two foreign language papers is counted).

10 papers

2. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	General History
2	Written *and* Oral French *or* two papers in German
2	Elementary Algebra Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen) *or* any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry (c) Biology *or* Botany (Biology and Botany may not both be chosen) (d) Chemistry (e) Geography (f) Physics (g) British History *or* Canadian History (h) Music *or* Art (Music and Art may not both be chosen)

10 papers

3. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Com. DEGREE

For admission to the First year of the B.Com. course a candidate must have satisfied *either* the requirements for entrance to the B.A. *or* the requirements for entrance to the B.Sc. course.

4. ADMISSION TO THE COURSES LEADING TO THE B.Ed. DEGREE

For admission to the First year of the B.Ed. course a candidate must fulfil the requirements for admission to the first year of the B.A. or the B.Sc. course. Students applying for admission by means of the Quebec High School Leaving examinations may offer Agriculture, Household Science, or North American Literature as optional papers.

Candidates for admission are also required to meet the Admissions Committee of the School for Teachers before their applications are approved.

5. ADMISSION TO THE COURSES LEADING TO THE B.Ed.(P.E.) DEGREE

For admission to the First year of the B.Ed.(P.E.) course a candidate must fulfil the requirements for admission to the first year of the B.A. or the B.Sc. course. Students applying for admission by means of the Quebec High School Leaving examinations may offer Agriculture, Household Science, or North American Literature as optional papers.

FACULTY OF ENGINEERING

ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Eng. AND B.Arch. DEGREES

The subjects and standing required for admission into the First year of the Faculty of Engineering are the same as those required for the first year of the B.Sc. courses (see page 512).

FACULTY OF AGRICULTURE

1. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. (Agr.) DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	History
2	Latin *or* French *or* German *or* Spanish (French preferred)
2	Elementary Algebra Elementary Geometry
1	Physics *or* Chemistry *or* Biology
2	EITHER Latin *or* French *or* German *or* Spanish (if not already chosen); OR Any two of the following papers not already chosen: (a) Intermediate Algebra

(b) Trigonometry
(c) *Botany *or* *Biology
(d) Chemistry
(e) Physics
(f) Art
(g) Geography
(h) British *or* Canadian History
(i) Music (Household Science candidates only. Music and Art may not both be chosen.)

10 papers

2. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. (H.Ec.) DEGREE

The requirements are those of the B.Sc. (Agr.) courses printed above, with the modifications noted.

PRESCRIPTION OF WORK IN EACH SUBJECT

For the examinations in June and August 1960

In all papers marks will be deducted for errors in spelling and grammar.

ART

No examination paper.

Students applying for School Certificate standing in Art will present a portfolio of not more than twelve original works selected, with the aid and certification of the art teacher or the School Principal, to illustrate the applicant's achievements along any number of the following general lines:

1. Ability to record observation of objects or scenes, in terms of either quick sketch or protracted study, in monochrome or colour.
2. Competence in design or composition in any of the following forms: pictures, posters, illustrations, formal decorations.
3. Sensitivity to the intrinsic possibilities and limitations of whatever medium is employed, no value being attached to the number of media attempted.
4. Ability in imaginative conception and convincingness of its projection.

*Botany and Biology may not both be chosen.

5. Powers of interpretation . . . sensitivity in expressing, rather than merely reproducing, a given subject or theme, whether imaginative or actual, objective or non-objective.

Portfolios must be in the Registrar's Office, Dawson Hall, McGill University, not later than Wednesday, 18th May, 1960, and may be reclaimed approximately one month thereafter.

BIOLOGY

One examination paper.

All the subjects mentioned should be studied practically, both in the field and in the classroom. Vivaria and aquaria should be kept and plants should be grown in soil and water culture. Pupils should be encouraged to collect material and so add to the school museum. Typical preparations and demonstration dissections should be made. In small classes pupils might do some dissection personally. Simple experiments should be used wherever possible. The use of a hand lens is essential for every pupil and a microscope should be available.

I. *Plants: Algae:* one unicellular type, and either Spirogyra or Ulothrix. *Fungi:* Bacteria, Yeast, Bread mould, Wheat rust, a Mushroom. *Lichens:* general study only. *Bryophyta:* Marchantia or any one Moss. *Pteridophyta:* a Fern. *Gymnosperms:* a Conifer. *Angiosperms:* one herbaceous monocotyledon, one herbaceous dicotyledon, one dicotyledonous tree.

The following points should be considered in studying the above: adaptation to environment, structure, life-history, physiology, seasonal changes.

II. *Animals: Protozoa:* Amoeba, Paramoecium, Plasmodium. *Coelenterata:* Hydra. *Platyhelminthes:* Tape worm. *Annelida:* Earthworm. *Arthropoda:* Crayfish or Grasshopper. *Pisces:* Perch or any other fish. *Amphibia:* Frog. *Reptilia and Aves:* the external characters of any one reptile and any one bird. *Mammal:* Rabbit or Rat.

The following points should be considered in studying the above: adaptation to environment, structure, physiology (including locomotion, nutrition, circulation, respiration, secretion, excretion, nerve control, action of hormones, growth), reproduction, seasonal changes.

III. *General:* The general structure of a plant cell and of an animal cell as seen in Spirogyra and Amoeba. Euglena as illustrating both plant and animal characters. The properties of living matter. The differences between animals and plants.

Elementary outlines of the principles of heredity and variation among plants and animals.

Simple evidence of the theory of evolution.

IV. *Field Natural History:* Trees and animals of the neighbourhood. Relation of plants and animals to their physical environment and to one another in *one* type of community, such as woodland, pasture, cultivated land, swamp, or an aquatic community. The dominant plants and animals of this community.

V. A general study of the interrelations of plants and animals with man, and of the importance of plants and animals as sources of food, shelter, clothing, and commercial products, with special reference to the types studied in sections I and II.

Suggested topics:

Plants: Green plants as basic food supply. Plant geography and plant industries of North America in relation to climate. Organic decay and the carbon and nitrogen cycles. Control of pathogenic bacteria and fungi.

Animals: Protozoan and other parasites as causal agents of disease. Insects, useful and injurious, in relation to human health, farm stock, crops, and forests. The place of birds in nature. Food animals. Fur-bearing animals in relation to climate.

BOTANY

One examination paper.

All the subjects mentioned should be studied practically. Aquaria should be kept, plants grown in soil and water culture, and simple physiological experiments carried out. The use of a hand lens is essential for every pupil and a microscope should be available.

The items of the syllabus may be studied in any suitable order.

I. Organs and Cells

The general external characters and structure of a flowering plant considered in relation to its mode of life.

Structure of a plant cell; properties of protoplasm; types of cell.

II. Types and Classification

The general structure, life history, relation to environment, and broad classification of the following types:

Thallophyta: Algae—Oscillatoria, Protococcus, Spirogyra, Oedogonium, Fucus, or Laminaria.

Fungi—Bacteria, Yeast, Mould, Mushroom, other Fungi, including at least one parasitic form.

Lichens—general.

Bryophyta: A Liverwort, a Moss.

Pteridophyta: A Fern, Equisetum, Selaginella.

Spermatophyta: Gymnosperms—one Conifer type and general characters of other local species.

Angiosperms—a Monocotyledon; Dicotyledons—herbaceous and tree types. General structure of flower, fruit, and seed. Comparison with homologous structures of preceding types.

Leading characters of the groups listed above. Trends in the evolution of a many celled body and of sexual reproduction as illustrated by the algal types, and of alternation of generations and adaptation to land life as displayed by the higher forms.

General characteristics and common plants of the following families of flowering plants: Liliaceae, Gramineae, Orchidaceae, Ranunculaceae, Rosaceae, Leguminosae, Umbelliferae, Solanaceae, Labiatae, Compositae.

III. Physiology and Histology

Elements of the microscopic structure of a typical leaf, root, herbaceous stem, and woody stem studied in relation to the functions of the organ and its parts.

Essentials of nutrition (photosynthesis, mineral nutrition, storage of foods, special modes of feeding), respiration, water relations, growth, tropisms, and reproduction. The organism as a whole. Seasonal changes in perennial herbs and trees.

IV. Field Natural History

Common trees and some other plants of the neighbourhood. Elements of the ecology of at least one local area, such as wood, meadow, swamp, or seashore. Adaptation to environment. Modes of pollination and of distribution and germination of seeds.

V. Heredity

Elementary outline of the principles of heredity and variation as applied to plants.

VI. Relation to Man

Green plants as the basic food supply. Man's staple food plants. Nature and source of other important plant products, e.g., lumber, fibres, paper, rubber. Useful bacteria and fungi; organic decay, carbon and nitrogen

cycle. Pathogenic bacteria and fungi and their control. Main types of vegetation found in North America, with emphasis on Canada; their relation to climate and to human activities.

CHEMISTRY

One examination paper.

The proficiency in Chemistry will be examined on evidence of an elementary knowledge of:

The properties of matter as required to establish the Molecular Theory of Gases, the Atomic Theory, The Theory of Atomic and Molecular Structure, the Theory of Ionization, and the Periodic Law.

The composition, physical properties, and chemical transformations of common materials such as the atmosphere, natural waters, acids, bases, salts, common minerals and ores, metals and alloys, and fuels.

The preparation and properties of the more common non-metallic elements: Hydrogen, Nitrogen, Oxygen, Carbon, Sulphur, and Chlorine together with their simple compounds of economic importance.

The preparation and properties of the more common metallic elements: Sodium, Calcium, Magnesium, Aluminium, Iron, together with their simple compounds of economic importance.

The nature of chemical reaction including: the factors affecting the rate, point of equilibrium, and completion of a chemical reaction; exothermic and endothermic reactions; the principle of mass action; the nature of oxidation and reduction as illustrated by combustion and the recovery of metals.

The solution of simple problems involving: the calculation of percentage composition from molecular formula; the calculation of empirical formula from percentage composition; the Gas Laws including the calculation of gram molecular weight; and/or volume relationships in chemical reactions.

Suggested texts: Croal, Couke, and Louden, Chemistry for Secondary Schools (Copp Clark); Guest, Elementary Chemistry (Pitman).

ENGLISH

Two examination papers: one in Composition, and one in Literature.

COMPOSITION

No special readings are required for the Composition paper. It is intended to be a test of the student's ability to write clear and correct English and to give him an opportunity of demonstrating his powers of composition. Candidates will be asked to write on a wide choice of general

subjects and the paper will include at least one question in which the student is addressing a particular audience. There may also be questions on errors of grammar, spelling, etc.

LITERATURE

For critical study:

1. Poets:
   1960 Coleridge, Wordsworth and Browning as in Cunliffe and Cameron *Poems of the Romantic Revival* (Copp-Clark).

   Arnold—*The Forsaken Merman, Shakespeare, Memorial Verses, Self Dependence, The Future, Philomela, To Marguerite* ("yes, in the sea of life enisled"), *Dover Beach, Obermann Once More, Rugby Chapel.*
   1961 Byron, Shelley, Keats, Tennyson, as in Cunliffe and Cameron *Poems of the Romantic Revival* (Copp-Clark).

2. Shakespeare:
   1960 *Julius Caesar* or *Hamlet*
   1961 *Henry IV Part I* or *The Tempest*
   1962 *Romeo and Juliet* or *Macbeth*

For general reading:

3. Novels:
   1960 A novel of Scott or a novel of Hardy
   and
   Conrad, *Victory* or Maugham, *Of Human Bondage*
   1961 A novel of Trollope or a novel of Hawthorne
   and
   W. H. Hudson, *Green Mansions* or Stephen Crane, *The Red Badge of Courage*
   1962 A novel of Charlotte Brontë or a novel of Robert Louis Stevenson
   and
   Conrad, *Lord Jim* or Wilder, *The Bridge of San Luis Rey*

4. Drama:
   1960 Shakespeare, *Henry V* or a play of Shaw
   1961 Shakespeare, *As You Like It* or a play of Galsworthy
   1962 Shakespeare, *Twelfth Night* or a play of Goldsmith

5. Essays:
   At least *two* essays from any *five* of the following: Bacon, Addison, Steele, Goldsmith, Lamb, Hazlett, Hunt, Stevenson
   Suggested Anthologies:
   Peacock, *Selected English Essays* (Oxford)
   Williams, *A Book of English Essays* (Pelican)

6. Twentieth Century Literature:
A novel *or* play *or* biography *or* selection of short stories, poems plays, essays—written and published since the year 1900

FRENCH—One written paper and one oral examination.

WRITTEN PAPER

This will consist of four parts, each carrying 25 marks.

A. *French Essay*

A short essay in French (100-150 words) on a topic of general interest selected by the candidate from a list printed on the examination paper.

B. *French Unseen*

Translation into French of a short English passage (approx. 100 words) which may be a narrative, a conversation, or a description.

C. *French Grammar*

Translation into French of approximately a dozen short English sentences, each illustrating a point of grammar.

D. *French Texts*

Four or five questions in French to be answered in French at some length on a text appointed for the year.

Text for 1960—Daudet, *Neuf Contes Choisis* (Victor Francois) (Holt).

Text for 1961—Maupassant, *Eight Short Stories* (Ed. White-Heath).

ORAL EXAMINATION

The examinations will be held at different centres on dates selected by the Matriculation Board between 1 May and 15th May. The Board cannot guarantee to provide oral examinations for candidates who do not register before the 1st of April.

The oral examination will consist of three tests.

A. *Oral Comprehension Test* (20%)

The examiner will read out twice to a group of candidates a French passage of not more than 120 words; then he will ask four or five questions in French on that passage. Candidates will be required to answer these questions *in writing* and *in English* on the spot.

B. *Pronunciation Test* (20%)

Each candidate will be required to read aloud a passage of not more than 200 words selected by the examiner from any of the books the candidate has read for the examination.

C. *Fluency Test* (60%)

A conversation between candidate and examiner in the course of which students will have to answer questions on the contents of *two* prepared texts selected from the following:

1. Dumas: Le collier de la Reine (Bovée et Guinard) (The Macmillan Co., New York)
2. Hugo: Les Misérables (Super) (Heath)
3. Daudet: Tartarin de Tarascon (Hawkins) (Heath)
4. Labiche: La poudre aux yeux (Dale) (Heath)
5. Fite: Four contemporary one act plays (Heath)
6. Mérimée: Colomba (Robert Humphreys) (Heath)
7. Pagnol: Topaze (Heath)
8. Simenon: Le client le plus obstiné du monde (McIntosh)
9. 1960 only. Acremant: Ces dames aux chapeaux verts (Oliver and Boyd)
   1961: Eve Curie: Madame Curie (Ernst and Schwartz) (Odyssey Press, N.Y.)
10. Fauchois: Prenez garde à la peinture (Heath)

GEOGRAPHY

One examination paper.

Geography is taken to be primarily the study of the earth as the home of differentiated communities and cultures; this calls for a clear understanding of the ways in which men have shaped the habitable parts of the environment to their own ends and have themselves been influenced in the process. It also calls for an examination of the functional role of land forms, rivers, climates, vegetation, etc., in guiding human activities.

It is assumed that candidates will know how to handle topographic, climatic, and distributional maps, and that they will be able to draw simple sketch maps (e.g. of their home area). They may be asked to insert data on a base map of a given country or continent, and to describe and analyze the geographical features of ground and air photographs.

A. *General Geography* (one third of the course)

A study of the world in outline, with special reference to the following subjects:

Size, shape, and movements of the earth.
Latitude and longitude and time zones.
Distribution of land and water.
Tidal phenomena and ocean currents.

Land forms and the agencies modifying them.
Configuration and surface characteristics of the continents.
Factors determining climates: the broad distribution of winds, temperature, rainfall, vegetation, soils and animal life.
Major natural regions and their characteristic human economies.

B. *Regional Geography* (one third of the course)

Canada and the United States in considerable detail. Emphasis should be placed on the geographical factors influencing their settlement and subsequent economic development.

C. *Maps and Aerial Photographs* (one third of the course)

The elements of map-making, map-reading and air photo interpretation. Candidates are expected to show familiarity with the topographical maps produced by The Topographic Survey of the Department of Mines and Technical Surveys, Ottawa.

Suggested Texts and Atlases: At Home on Our Earth—The United States and the British Commonwealth, G. Whipple and P. E. James (Macmillan Co.); *The Geography of Canada*, J. L. Robinson (Longmans, Green & Co.); *Earth Science—The World We Live In*, S. N. Namowitz and D. B. Stone (Van Nostrand Co.); *Canadian Social Studies Atlas* (Dent & Sons); *Goode's School Atlas* (Rand McNally).

GERMAN

Two examination papers: one on prescribed texts, and one on grammar and translation of continuous passages from German into English and from English into German.

B.A.

Texts (Translation and grammatical study):
Peter Fabrizius, *Wer zuletzt lacht . . .* (Appleton-Century-Crofts, Inc., New York) and
1960: Guerber, *Märchen und Erzählungen* Vol. 1 (Heath), Numbers 1, 2, 5, 6, 7, 8, 11, 12, 13, 14, 15;
1961: Hagboldt: *Anekdoten und Erzählungen* (Heath: Chicago German Series No. 3)

Grammar: A thorough knowledge of German accidence and syntax.
Suggested text: Curts, *Basic German* 3rd edition (Prentice, Hall N.Y.)

Translation at Sight from English into German and German into English of easy prose passages.

B.Sc.

Texts (Translation and grammatical study):

Fiedler and Sandbach, *A first German Course for Science Students* (Oxford University Press) and

1960: Guerber, *Märchen und Erzählungen* Vol. 1, (Heath), Numbers 1, 2, 5, 6, 7, 8, 11, 12, 13, 14, 15;
1961: Hagboldt: *Anekdoten und Erzählungen* (Heath, Chicago German Series No. 3).

Grammar: A knowledge of German accidence and syntax.

Suggested text: Curts, *Basic German*, 3rd edition (Prentice Hall, N.Y.)

Translation at Sight of sentences from English to German and of easy prose passages from German into English.

GREEK

Two examination papers: one on Colson and Grammar; the other on Allen and Composition.

Texts: Colson, Greek Reader, Parts III, IV, V (Macmillan); Allen, The First Year of Greek, Lessons 1-34 inclusive, with the Exercises belonging to these lessons (Macmillan).

Grammar: Knowledge of grammar will be tested by translation and by grammatical questions based on the specified texts.

HISTORY

One examination paper is offered in each of the three following fields:

(*a*) *General History from 1600-1939*

(*b*) *British History from 1714-1939*

(*c*) *The History of Canada with related topics in the History of the United States from the age of discovery until 1939.*

A Guide to Reading containing references and suggestions for teachers and students who are preparing for these History papers may be obtained from the Registrar's Office.

These lists are intended as a bibliographical aid for teachers who may concentrate on certain topics in which they are especially interested or which they think particularly desirable for their students.

The examination paper will give a wide choice of questions and will be so divided that a candidate may not pass by concentrating on one particular aspect of the work.

As the General History paper is primarily a test of knowledge of European History, questions dealing with such things as the Far East, Africa, England, will only be included if they impinge on European History.

The paper in Canadian History will give a wide choice of questions and will give the candidate an opportunity to relate his knowledge of Geography to that of History.

LATIN

Two examination papers: one on the Prose authors and Composition; the other on the Poets, Sight Translation, and the textbook *Everyday Life in Rome.*

Texts (Translation and grammatical study):

Bonney and Niddrie, *Latin Prose and Poetry* (Ginn)

Virgil, Part 1: IV – IX; Part 2: Georgics II, V; Aeneid III, IV
Horace IV, V, VIII, IX
Catullus II, VII
Cicero I, VI and Letters III, V
Nepos VII, VIII, IX
Livy V, IX, X, XI, XII
Pliny XI, XII
Ovid I, V, IX

Treble and King, *Everyday Life in Rome* (Oxford)

Knowledge of grammar will be tested by translation and composition, and by questions in grammar based on the specified texts.

Translation at Sight from Latin into English (with the aid of a vocabulary of unfamiliar words).

Composition. Translation into Latin of detached sentences. The vocabulary is based upon the texts studied.

(Composition questions will not deal with subordinate clauses in indirect narration; temporal clauses with *dum, donec,* and *quoad, antequam* and *priusquam* where these require the subjunctive; *quin* and *quominus* clauses; causal and concessive clauses requiring the subjunctive.)

NOTE—The "Roman" method of pronouncing Latin is recommended.

MATHEMATICS

ELEMENTARY MATHEMATICS

HIGHER ARITHMETIC

One examination paper.

1. Addition, subtraction, multiplication, and division of integers. Factors, highest common factor, and least common multiple.

2. Properties of vulgar fractions including addition, subtraction, multiplication, and division. Complex fractions.

3. Properties of decimals including the conversion of vulgar fractions into decimals and vice versa. Extraction of square root. Contracted multiplication and division of decimals.

4. Simple properties of ratio and proportion. The unitary method.

5. Simple properties of percentages, e.g., changing a fraction to a per-cent and vice versa, finding what per cent one number is of another.

6. Units of measurement and changing from one unit to another. A knowledge of the standard tables of weights and measures will be expected, e.g., length, area, volume, capacity (liquid and dry), apothecaries (fluid and weight), avoirdupois and troy weight, time, English and Canadian monetary systems. The metric system.

7. Simple mensuration of the rectangle, triangle, parallelogram, trapezoid, circle, cylinder, cone, and pyramid.

8. The construction and interpretation of simple graphic and other representative diagrams of concrete numbers

Candidates will be expected to apply the preceding principles to the solution of simple problems such as the making of solutions and preparation of dosages, the relation between pressure and temperature of a gas, the comparison between Fahrenheit and Centigrade thermometer scales, etc.

Students should be taught to apply rough approximations, such as

$$\frac{3.1416 \times \sqrt{64.37}}{\sqrt[3]{126}} \simeq \frac{3 \times 8}{5} \simeq 5$$

to check the accuracy of their work, and they should also be shown how to use tables of squares, square roots, cubes, and cube roots of integers and decimals. A knowledge of circulating decimals will not be required.

High School Arithmetic by A. T. Batstone, E. T. Alexander, J. A. Chown, published by The Ryerson Press, Toronto, will be found useful.

ELEMENTARY ALGEBRA

One examination paper.

Elementary rules, involution, evolution, fractions, indices, surds, simple and quadratic equations involving one or more unknown quantities, simple graphs, ratio and proportion, as in High School Algebra by J. T. Crawford (Revised Edition, 1940) published by Macmillan and Co., pp. 1-320, or Intermediate Algebra for College Students by Thurman S. Peterson (Revised Edition), published by Harper and Brothers, New York, pp. 1-279, (omitting page 207 and pp. 261-267) or similar text-books.

ELEMENTARY GEOMETRY

One examination paper.

The paper will contain questions on practical and on theoretical geometry.

In practical geometry, where the validity of a construction is not obvious, the reasoning by which it is justified may be required. Every

candidate must provide himself with a ruler graduated in inches and tenths of an inch, and in centimeters and millimeters, a set square, a protractor, compasses, and a hard pencil. All figures should be drawn accurately.

The questions on theoretical geometry will consist of theorems contained in the textbook prescribed, together with questions upon these theorems, easy deductions from them, and arithmetical illustrations. Any proof of a proposition will be accepted if it forms part of a systematic treatment of the subject.

In the proof of theorems and deductions from them, the use of hypothetical constructions will be permitted. Proofs which are only applicable to commensurable magnitudes will be accepted.

Textbook recommended:—Geometry for High Schools by W. J. Lougheed and J. G. Workman, published by the Macmillan Co. of Canada (1941), omitting pp. 223-224, 242, 308-314, 323-329, or the same subject matter in Plane Geometry (Revised Canadian Edition) by H. S. Hall and F. H. Stevens, published by the Macmillan Company of Canada, or similar text-books.

INTERMEDIATE MATHEMATICS

Four-figure mathematical tables will be provided.

INTERMEDIATE ALGEBRA

One examination paper.

Arithmetic, geometric, and harmonic progressions, variation, permutations and combinations, binomial theorem, logarithms, number system, theory of quadratic equations, as in Intermediate Algebra by H. Tate, published by Sir Isaac Pitman and Son, Toronto, or as in similar textbooks.

INTERMEDIATE TRIGONOMETRY

One examination paper.

Measurement of angles, radian measure, trigonometrical ratios of functions of one angle, of two angles, and of a multiple angle, relations between the sides and angles of a triangle, easy problems on heights and distances, easy trigonometrical equations, as in Elementary Trigonometry by H. S. Hall and S. R. Knight, adapted for use in Canadian Schools (1940 edition), published by the Macmillan Company of Canada, Chaps. I to XI inclusive, omitting paragraph 113a, or as in similar textbooks.

MUSIC

The Grade 9 Certificate of McGill University in practical subjects and the Grade 9 Certificate in theoretical. (Details will be found in the Announcement of the Conservatorium of Music.)

PHYSICS

One examination paper.

The following are the main topics required in Mechanics, Heat, Electricity, and Magnetism.

Mechanics

Measurements of length, area, volume, mass, and weight. The beam and spring balances.

Uniform and uniformly accelerated motion in a straight line; Newton's laws of motion and simple applications of them. Motion under gravity; the law of gravitation. Moments of forces; composition of parallel forces, equilibrium of forces (parallelogram and triangle laws); centre of gravity, Work, energy, power. Sliding friction. Mechanical advantage of a machine; levers, pulleys, wheel and axle, differential pulley and differential wheel and axle, inclined plane, wedge, screw; efficiency of a machine. Density and specific gravity. Fluid pressure, Pascal's law; hydraulic press. Relation between pressure and depth. Buoyancy; Archimedes Principle; floating bodies. Measurement of specific gravity of solids and liquids; specific gravity bottle, hydrometer.

Weight and pressure of air; barometers, determination of altitude, weather forecasting, Boyle's Law. Air pumps and compressors. Pressure gauge. Suction and force pumps, siphon.

Surface tension and capillarity (qualitative treatment).

Heat

Elementary ideas of the structure of matter and kinetic theory of gases. Sources of heat. Temperature; construction of a liquid in glass thermometer, fixed points, graduation; Centigrade and Fahrenheit scales. Expansion of solids, coefficient of linear expansion; expansion of liquids, anomalous expansion of water. Expansion of gases, Charles' Law, absolute temperature; the gas equation.

Heat quantity and its measurement in calories and B.T.U., specific heat, capacity for heat; calorimetry by method of mixtures. Change of state; fusion and solidification; effect of pressure on melting point; heat of fusion; freezing mixtures; vaporization, rate of evaporation, saturated vapour, boiling, effect of pressure change (including altitude); heat of vaporization of water; cooling by evaporation. Condensation of water in the air; dew point; relative humidity, wet and dry bulb hygrometer, humidity and health; atmospheric phenomena—fog, clouds, dew, frost, rain, snow, hail.

Mechanical equivalent of heat; steam engine.

Conduction of heat, solids, liquids, and gases; convection currents in fluids, winds; radiant heat, emission and absorption; heating of buildings, ventilation; refrigeration.

Magnetism

Natural and manufactured magnets; polarity, attraction and repulsion. Magnetic induction, magnetic field. Molecular theory of magnetism. The earth as a magnet; compass, declination, dip.

Static Electricity

Electrification by friction, attraction and repulsion, two kinds of electrification; conductors and insulators; electrons; gold leaf electroscope. Electrification by contact and by induction; testing charge on a body; induced charge equal to inducing charge; charges by friction equal and opposite; charges reside on outside of empty hollow conductor. Action of points, lightning rods. Potential, capacity, condensers, Leyden jars.

Current Electricity

Magnetization of steel by discharge of Leyden jars.

Voltaic cell, electric circuit, series and parallel arrangements. The magnetic, chemical, and thermal effects of a current; Oersted's experiment, magnetic field due to a straight wire, circular wire, and helix; polarity. Action of one current on another, Ampère's Laws, tangent and moving coil galvanometers. Electromagnet. Electric bell and telegraph. Electrolysis of water, laws of electrolysis, coulomb, measurement of current; electroplating. Voltaic cell, chemical action, electromotive force, polarization, local action. Leclanché and dry cells. Storage cells, lead accumulator. Heat developed by current; electric iron, fuses, incandescent lamp and arc light. Ohm's Law; practical units, ampere, volt, ohm; fall of potential in circuit, method of substitution for measuring resistance.

Law of dependence of resistance on length and cross-section of cylinder. Work done in a circuit, rate of working in circuit and in lamp. Ammeters and voltmeters

Electromagnetic induction; Faraday's experiments. Induction coil. Dynamo, armature, field magnets, commutator for D.C. electric motor, transformer, telephone.

SPANISH

Two examination papers.

One paper will contain questions on grammar, and sentences to be translated from English into Spanish.

The second paper will contain questions on the set text, including translation and comments on the grammar and contents. It will also contain the translation into English of an unseen Spanish passage, and the translation into Spanish of an unseen English passage.

Text prescribed—Crow and Crow, *Panorama de las Américas* (Holt).

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

McGill University recognizes a number of public examinations as conferring, in certain circumstances, the equivalent of Junior or Senior Matriculation standing for admission to the Faculty of Arts and Science, or the Faculty of Engineering, or other faculties and schools.

Admission to the various faculties is based upon standards set from time to time by each faculty. The Admissions Committees require generally that:

(1) The certificate has been obtained under no easier conditions than those of McGill Matriculation,

(2) The subjects of the examination and the school course followed are those the University requires,

(3) The school records and confidential reports are satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without having obtained an official acceptance of their application.

The following certificates will be considered *on their merits* towards meeting the University requirements for the equivalent of Junior Matriculation. It should be particularly noted that possession of a certificate which is listed does not guarantee acceptance.

Candidates for admission offering certificates which are not a full equivalent may be required to pass one or more McGill papers.

PROVINCE OF QUEBEC

The High School Leaving Certificate
The Catholic High School Leaving Certificate

PROVINCE OF ONTARIO

Ontario Secondary School Graduation Diploma with four options

PROVINCE OF NEW BRUNSWICK

Junior Matriculation

PROVINCE OF NOVA SCOTIA

Grade XI Certificate

PROVINCE OF PRINCE EDWARD ISLAND

Second Year Certificate of Prince of Wales College

PROVINCE OF BRITISH COLUMBIA

Junior Matriculation

PROVINCE OF MANITOBA

Grade XI Certificate

PROVINCES OF ALBERTA AND SASKATCHEWAN

Grade XI

NEWFOUNDLAND

Grade XI Certificate

GREAT BRITAIN

In the General Certificate of Education, passes at the ordinary level in five suitable subjects (other than Religious Knowledge) will be the normal standard for admission. The various faculties specify which subjects must have been passed and intending applicants should confirm that the subjects they offer are suitable.

UNITED STATES

1. McGill University recognizes the examinations conducted by the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey. All candidates from the United States must write these tests.

2. Applicants for admission should preferably write the January or the March tests, taking the Scholastic Aptitude Test and three Achievement Tests. The Achievement Tests should be chosen in consultation with the applicant's school Principal. Further particulars are obtainable from the Registrar's Office.

3. In addition, applicants must submit their complete High School record and should arrange for a confidential letter from the school Principal or other competent officer to be mailed directly to the University.

MISCELLANEOUS

Other certificates, such as those issued by universities or recognized public Examining Boards, will be judged on their merits and accepted insofar as they meet the entrance requirements.

Senior School Certificate

REQUIREMENTS FOR THE CERTIFICATE

To obtain the Senior School Certificate the candidate must pass in English Literature and English Composition and in at least three of the following subjects:

Accountancy	Greek
Art	History
Biology	Latin
Chemistry	Mathematics
French	Music
Geography	Spanish
German	Physics

To satisfy the examiners in a language the candidate must pass in each of the two papers in this language.

To satisfy the examiners in Mathematics the candidate must write and pass at least two of the three papers offered in this subject.

PASS MARK

The pass mark in each paper is fifty per cent.

CLASSES OF CERTIFICATE

Successful candidates are awarded a Senior School Certificate of the first, second, or third class.

To obtain a first or second class certificate a candidate must complete the examination in not more than two attempts within a period of sixteen months and may write a part of the examination at each attempt. The marks obtained in his first attempt will always be counted towards a third class certificate, but will not be counted towards a first or second class certificate if the candidate fails in more than one paper. To obtain a first or second class certificate such a student must rewrite the whole examination, and the certificate will be awarded solely on the marks obtained at the second attempt.

An average of 80% or over in all the papers required for the certificate entitles the candidate who has complied with the previous regulation to a first class certificate.

An average of 70% or over obtained under the same conditions, entitles a candidate to a second class certificate. Other successful candidates receive a third class certificate.

DISTINCTION

Candidates who obtain 80% or over in any subject are given distinction in this subject. Distinction is not given in *single* papers of Mathematics or the languages (including English).

UNIVERSITY ENTRANCE REQUIREMENTS (SENIOR MATRICULATION)

Under certain conditions, a candidate may qualify for admission into the Second year of the Faculty of Arts and Science or the Faculty of Engineering by writing and passing the required papers of the Senior School Certificate Examination.

FACULTY OF ARTS AND SCIENCE

A candidate may be considered for admission to the second year of the Faculty of Arts and Science if he has passed in the appropriate ten papers of the McGill Junior School Certificate Examination, or their recognized equivalents, and if he has passed within a period of sixteen months in the papers of the McGill Senior School Certificate Examination, or their recognized equivalents, with an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65 to 70% if they have obtained high standing in all such subjects as they have taken in the examination which are appropriate to the degree course which they wish to enter. These are: *in Arts*—English, Languages, History; *in Science*—Mathematics, Physics, Chemistry, Biological Science; *in Commerce*—English, History, Mathematics.

Only in exceptional circumstances may a student who has not qualified for entrance to the first year through Junior Matriculation be admitted to the Second year by Senior Matriculation alone.

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.A. DEGREE

English
Latin or Greek
Mathematics (*see following paragraph and also footnote on page 534*)

Any two of the following:—

1. History
2. Latin *or* Greek (the one not already chosen)
3. French
4. German
5. Spanish
6. Science (Physics *or* Chemistry *or* Biology)
7. Music
8. Geography

Candidates for admission to the University in the Second year of the B.A. course may offer, in place of Mathematics, another Senior Matriculation subject in which they have shown marked proficiency and which is in accordance with the trend of the studies which they are preparing to pursue. In general, however, students are advised to offer Mathematics. It is a pre-requisite to all advanced courses in the Science division and must be taken if either Physics or Chemistry is included in the Senior Matriculation programme. It is also a required subject for students who intend to take courses in the Social Sciences, excluding History and Political Science. For this reason, unless a student intends to honour in one of the Humanities (English, Languages, Philosophy) or in Political Science or in History, Mathematics is obligatory. In any case, no student will be permitted to offer another subject in place of Mathematics unless he or she has passed in the Elementary Mathematics of the Junior School Certificate, or their equivalent, and has achieved at least 75% in the Junior School Certificate examinations in History, or a Modern Language, or Classics. Only a subject in which this 75% is obtained may be substituted for Mathematics. If they intend to pursue studies in History, Philosophy, or Political Science, candidates are expected to choose History as their substitute.

Candidates who wish to enter the Faculty of Medicine at the end of the B.A. course must take Mathematics.

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Sc. DEGREE

English
Mathematics*

*Two papers: one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry. The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

Physics
Chemistry
French *or* German* *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Com. DEGREE

English
Mathematics**
Accountancy***
A modern foreign language
History *or* a second foreign language *or* a Science (including Geography)

FACULTY OF ENGINEERING

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Eng. AND B.Arch. DEGREES

English
Mathematics (all three papers are required)
Physics
Chemistry
French *or* German* *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography.

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*A candidate who has passed the two papers in Junior French may satisfy the Senior B.Sc. or B.Eng. German requirements by passing the Junior examination in German.

**Algebra and Trigonometry. However, a candidate who has passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry.

***Applications of students who have substituted another subject for Accountancy may be considered if their standing is high enough.

PRESCRIPTION OF WORK IN EACH SUBJECT

For the examinations in June and August 1960

In all papers marks will be deducted for errors in spelling and grammar.

ACCOUNTANCY

One examination paper.

Double-entry Book-keeping, including all subsidiary books and ledgers, up to and including the use of Control, Total, or Balancing Accounts; closing off of ledgers; preparation of Trading and Profit and Loss Statements and Balance Sheets.

Books specially required:

Cash-Book suitable for an office where all cash and cheques received are banked daily, all payments above a certain amount are made by cheque, and all lesser payments through petty cash. Cashier to be able to show the balance in the bank at any time at very short notice.

Cash-Book suitable for an office where sums of cash are kept in the office, in addition to petty cash, and deposits in bank do not include whole of receipts. Cashier to be able to show balances of cash, etc., in office and in bank at any time, and at very short notice.

Departmental Sales and Purchases Journals for recording transactions in different classes of goods.

General Journal ruled so as to segregate items according to ledgers into which they are to be posted, in order that totals may be posted to control accounts.

Other matters specially required:

Bills and Notes Payable Registers.
Imprest System of Petty Cash.
Reserve for Bad Debts, Discounts, and Depreciation.
Inward and Outward Consignments.
Inward and Outward Freight on Merchandise purchased and sold.
Accrued Expenses and Deferred Charges.
Single Entry Book-keeping.
Use of Working Sheets.

Candidates may be required to define and explain such terms as the following:

Invoices; I.O.U.'s; promissory notes; bills of exchange and parties thereto; acceptances, endorsements, etc.; cheques; bills drawn in a set, bills of lading; capital and revenue receipts and expenditure; current and fixed assets; capitalization.

Marking is arranged so as to prevent any candidate obtaining a pass unless he has shown that he has a sound knowledge of what is outlined in the first paragraph. No candidate is passed who does not show that he understands Control Accounts and their uses. For this purpose subsidiary ledgers and their control accounts in the General Ledger must be shown in full; in addition, the books of original entry must be so ruled and organized that they will produce the required figures no matter how large may be the quantity of items dealt with.

ART

No examination paper.

Students applying for Senior School Certificate standing in Art must present a portfolio of original work. The portfolio must be accompanied by a statement signed by the student and another signed by the art teacher or the school principal, certifying that the work contained in the portfolio is original work of the student not corrected by any other hand.

The portfolio should be sent to the Registrar's Office before May 15th and should contain:

A. Ten studies from life, of which at least five must be of the nude human figure. The remainder may be of the nude model, of the draped human model, or of animals. At least five of the above studies must be in charcoal, the remainder in any graphic or painting medium.

Candidates should bear in mind that what is required is not so much proficiency of performance as evidence of understanding of form and structure.

B. Five sketches for compositions, either in black and white or in colour. They may be with or without a representational subject; in either case they should stress the elements of design.

C. Five other examples of their work: these may include drawings, paintings (of any subject in any medium); applied designs (posters, textile designs, etc.).

The dimensions of the work listed above must be not less than 16 x 20 inches. Candidates would do well to add to their portfolios a sketch book or a group of quick sketches.

BIOLOGY

One examination paper.

The botanical part of this syllabus is the same as for Junior School Certificate Botany (p. 516) with the following modifications:—

(a) further knowledge of the ecological interrelation of plants and animals is required.

(b) knowledge of the characteristics of particular families of flowering plants is *not* required.

In order to fulfil the requirements of the syllabus satisfactorily, pupils must undertake individually the dissection of animals, section-cutting of plant tissues, microscopic examination of small organisms and tissues, and simple physiological experiments.

A more intensive study of the Junior School Certificate syllabus is expected, with extension along the following lines:

I. The structure, life-history, principles of classification, and evolutionary relationships of the following, based on practical study:

Plants:

Thallophyta:	Algae—Oscillatoria, Protococcus, Spirogyra, Oedogonium, Fucus or Laminaria,
	Fungi—Bacteria, Yeast, Mould, Mushroom, other Fungi including at least one parasitic form.
	Lichens—general.
Bryophyta:	A Liverwort, a Moss.
Pteridophyta:	A Fern, Equisetum, Selaginella.
Spermatophyta:	Gymnosperms—one Conifer type and general characters of other local species.
	Angiosperms —a Monocotyledon; Dicotyledons— herbaceous and tree types. General structure of flower, fruit, and seed. Comparison with homologous structures of preceding types.

Leading characters of the groups listed above. Trends in the evolution of a many celled body and of sexual reproduction as illustrated by the algal types, and of alternation of generations and adaptation to land life as displayed by the higher forms.

Animals:

Protozoa—Amoeba, Euglena, Paramoecium, Plasmodium.
Cœlenterata—Hydra, Obelia.
Platyhelminthes—Fasciola, Taenia.
Annelida—Lumbricus, external characters of a Polychaete.
Arthropoda—Crayfish, Grasshopper.
Mollusca—Clam or Snail.
Cephalochorda—Amphioxus.
Pisces—Dogfish.

Amphibia—Frog.

Mammalia—Rabbit or Rat, skull of Dog or Cat.

Comparison of the various organ-systems in the animals listed.

Asexual and sexual reproduction. Alternation of generations.

Elements of vertebrate embryology as found in the developing Frog and in the Chick (up to end of third day of incubation), to be studied practically.

II. Physiology: structure in relation to function.

Plants—Microscopic structure of a typical leaf, root, herbaceous stem, and woody stem studied in relation to the functions of the organ and its parts.

A fuller knowledge of the principal physiological processes as outlined in the Junior Syllabus. This should be based on simple experiments carried out by the student, which he may be asked to describe.

Animals—The chief physiological processes, as outlined in the Junior Syllabus, should be studied more fully and comparatively in all the types listed in Section I.

Tissues and organs and their functions as observed in Vertebrates.

Respiratory pigments. Vitamines, Hormones. Commensalism Parasitism.

III. Field Natural History and Ecology.

This should be extended beyond the Junior Syllabus to include study of several biotic communities of the neighbourhood, with some knowledge of the dominant plants and animals in each and their relation to one another and to the physical environment.

Life zones and living natural resources of Canada.

IV. Heredity and Evolution.

The main principles of heredity and variation among plants and animals.

Cytological basis of heredity.

Evidences of organic evolution.

CHEMISTRY

One examination paper.

The examination will be designed to test the candidate's knowledge of Theoretical and Descriptive Inorganic Chemistry as outlined below.

Theoretical—The properties of gases, liquids, solids, and solutions as required to establish the Kinetic Molecular Theory. The Laws of

Chemical Combination leading to the formulation of the Atomic Theory and the calculation of equivalent, atomic, and molecular weights. The detailed structure of atoms and molecules including a description of the various types of chemical bonds. The factors affecting the rate of chemical reaction and the point of equilibrium in a physical and chemical change. The properties of solutions of electrolytes leading up to the Theory of Ionization and ionic equilibria. Oxidation and reduction reactions as required to establish the Activity Series.

Descriptive Inorganic—A systematic treatment of the occurrence, preparation, physical and chemical properties of: (a) the following Groups in the Periodic Classification of the Elements: Alkali Metal, Alkaline Earth Metal, Carbon, Oxygen, Nitrogen, and Halogen. (b) the following additional metals: Aluminium, Copper, Silver, and Iron.

Particular emphasis is to be placed on a correlation of properties with atomic and molecular structure.

This is to be accompanied by descriptive and quantitative experiments including volumetric analyses, illustrative of the important principles and theories.

The candidates's notebook showing *his own* laboratory work (together with any problems or exercises related to the laboratory work), certified by the Instructor and the Principal of the School, must be forwarded to the Registrars' Office for the examiner's evaluation *before the date of the written examination.*

Suggested texts: Scarlet and Gomez-Ibanez, *General College Chemistry* (Holt); Graham and Cragg, *The Essentials of Chemistry* (Clarke, Irwin); Holcomb and Onyszchuk, *A Laboratory Manual of General Chemistry* (McGill).

ENGLISH

Two examination papers: one on English Literature and one on English Composition.

COMPOSITION

The examination will be designed mainly to test the candidate's ability to write English. He will be expected to have acquired a fairly clear and accurate style, to be able to arrange material in an effective fashion, and to show discrimination in the choice of words. He may be asked to write a précis to demonstrate his ability to extract the essential meaning of a given passage. In preparation for the examination it is suggested that students be required to write mainly on simple, expository subjects that are within the range of their actual experience.

LITERATURE

1. Shakespeare—1960 Either *Antony and Cleopatra* or *The Winter's Tale.*
   1961 Either *King Lear* or *Cymbeline.*
   1962 Either *Othello* or *The Tempest.*
   No particular edition of the above is prescribed.

2. Milton— 1960 *Samson Agonistes.*
   1961 *L'Allegro, Il Penseroso, Comus, Lycidas, the sonnets included in Century Readings.**
   1962 *Paradise Lost, Books I and II,* and *Book III lines 1-55.*

3. One Poet of the Nineteenth Century—
   1960 Keats.
   1961 Wordsworth.
   1962 Byron.
   No particular edition of the above is prescribed.

Candidates are not required to study the complete works of these authors. Teachers are recommended to make their own selection so as to give their students an understanding of the relevant poet's best and most characteristic work.

4. The following texts from *Century Readings*:*

(a) Poetry:

Chaucer, *Prologue to the Canterbury Tales.*
All the Ballads included in the volume.
Spenser, *The Faerie Queene, Book I, Canto 1.*
All the lyrics by Campion, Herrick, Herbert, and Vaughan included in the volume.
Dryden, *Alexander's Feast* and *Absalom and Achitophel.*
Pope, *The Rape of the Lock.*
All the poems by Gray and Goldsmith included in the volume.
Wordsworth, *The Solitary Reaper, Ode to Duty, Character of the Happy Warrior, Ode, Tintern Abbey,* several sonnets.
Burns, *Tam O'Shanter, The Cottar's Saturday Night.*
Coleridge, *Kubla Khan, The Rime of the Ancient Mariner.*
Shelley, *Ode to the West Wind.*
Byron, *Don Juan, Canto iii.*
Keats, *Eve of St. Agnes, Ode on a Grecian Urn, To Autumn, La Belle Dame Sans Merci.*
Tennyson, *Locksley Hall,* selections from *In Memoriam* and *Morte d'Arthur.*

**Century Readings in English Literature,* edited by Cunliffe, Pyre, and Young.

Browning, *Abt Vogler, My Last Duchess, Andrea del Sarto, Memorabilia, De Gustibus.*
Arnold, *Rugby Chapel.*

(b) Prose:

Malory, *Morte d'Arthur: Preface by Caxton, and first five chapters of Book 21.*
Bacon, *Of Truth,* and *Of Studies.*
Walton, *Compleat Angler, Chapter IV.*
Bunyan, *Pilgrim's Progress,* the extract included in the volume.
Defoe, *The Education of Women.*
Swift, *A Modest Proposal.*
Steele, *Sir Roger in Love.*
Addison, *Sir Roger at the Assizes, Party Patches,* and *Westminster Abbey.*
Johnson, *Letter to the Earl of Chesterfield.*
Newman, *The Idea of a University, Discourse VI.*

5. Poems by any or all of the following, selected at the discretion of the candidate from any available editions:

Housman, Davies, Hardy, Yeats, Auden, Spender, Eliot.

6. Any five items selected from the *Pocket Book of Short Stories.*

7. E. M. Forster, *A Passage to India.*

8. J. M. Synge, *Riders to the Sea.*

FRENCH

Two examination papers: one on Texts and Grammar and one on Composition and Sight Translation.

Texts:

For critical study:

1960—Beaumarchais, *Le Mariage de Figaro* (Petits Classiques Larousse); Mauriac, *Les Chemins de la Mer* (Keating and Swain) (Heath); Merimée, *Carmen et Autres Nouvelles* (Ed. Blondheim) (Heath); Bart, *La France carrefour des civilisations* (Harcourt Brace).

1961—Mauriac, *Les Chemins de la Mer* (Keating and Swain) (Heath); Mérimée, *Carmen et Autres Nouvelles* (Ed. Blondheim) (Heath); de Musset, *Trois Comédies* (McKenzie) (Heath), Bart, *La France carrefour des civilisations* (Harcourt Brace).

Suggested Grammar:

Sonet and Shortliff, *Review of Standard French* (Harcourt Brace).

Translation at Sight from English into French and from French into English.

**Oral Examination:* An oral examination is held in centres where this is possible, and students intending to study French at the University are strongly advised to take this examination. The oral examination is given in *addition* to the two papers. Success in the oral examination is recorded on the candidate's certificate. A candidate who fails in the oral examination does not thereby prejudice his chances of obtaining a certificate, but is treated exactly as though he had not attempted the oral test.

GEOGRAPHY

It is presumed that candidates taking this examination will have mastered the elements of geography as outlined in the syllabus for the Junior Examination.

A. *Local Geography* (one quarter of the course)

An intensive study of the candidate's home locality, especially of the distribution of population and economic activities in relation to the main physical features and climate of the region. This study should be based on actual excursions and a detailed examination of the appropriate large scale maps (published by the Hydrographic and Map Service Branch of the Department of Mines and Resources).

B. *Regional Geography* (three quarters of the course)

A detailed study of the Americas (North, Central, and South) and Europe, including the U.S.S.R. The general lines of the course should follow the directive laid down in the Junior Examination syllabus, but greater attention should be given to the following matters:

(i) The geological structure of the countries concerned, and the effect of this structure on the scenery and natural resources.

(ii) The part played by the countries of Europe in the history of exploration and the development of maritime trade.

(iii) The characteristic settlement types and distribution of population in the various countries, and the ways in which these are changing.

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*Candidates who wish to take the examination in Oral French at a centre outside Montreal must send in the special early notification mentioned in the footnote on page 506.

GERMAN

(*See footnote on page 535 concerning the Senior B.Sc. or B.Eng. German requirements in special cases.*)

Two examination papers: one on prescribed texts and one on translation of unseen passages from German into English and from English into German.

Texts: Th. Storm, Immensee (Morgan-Wooley-Heath); G. Keller Kleicher Machen Leute (Heath); Viebig, Der Gefangene (Crofts).

Translation at Sight from German into English and from English into, German.

GREEK

Two examination papers: one on prescribed texts and grammar, the other on composition and sight translation.

Texts: Homer, Iliad XXII (Pitt Press Series, Camb. Univ. Press); Lysias, pp. 30-92, in Shuckburgh's Lysias, Orationes (Macmillan).

N.B.—Although the above editions are suggested, others may be used.

HISTORY

One examination paper.

General History of Europe from the break-up of the Roman Empire to 1600.

In preparing for the History papers a rigid adherence to any one author or to any one book is undesirable. A guide to Reading containing references and suggestions for teachers and students who are preparing for this History paper may be obtained from the Registrar's Office.

LATIN

Two examination papers: one on prescribed texts and grammar, the other on composition and sight translation.

Text: A. Petrie, *A Latin Reader* (Oxford University Press)

Caesar X.
Cicero XIII, XV, XXXVI, XL, XLIII, XLIV.
Sallust XLVI.
Livy L, LI.
Pliny LXVI, LXIX.
Catullus LXXIII, LXXIV.
Virgil LXXXVII, XC, XCII, CI.
Horace CIX, CX, CXI, CXIV.
Ovid CXXIV, CXXV, CXXXI, CXXXVII.

MATHEMATICS

Four figure mathematical tables will be provided.

ALGEBRA

One examination paper.

Arithmetic, geometric, and harmonic progressions, variation, permutations and combinations, binomial theorem, logarithms, number system, theory of quadratic equations, functional notation, graphical representation, miscellaneous series such as the sum of the squares and of the cubes of the natural numbers with easy deductions therefrom, as in Intermediate Algebra by H. Tate, published by Sir Isaac Pitman and Sons, Toronto, or as in similar textbooks.

CO-ORDINATE GEOMETRY

One examination paper.

The elements of the coordinate geometry of the straight line and circle as in A New Analytic Geometry by J. E. Durrant and H. R. Kingston, published by the Macmillan Co. of Canada, pp. 1-153 inclusive, and pp. 292-296, or as in similar textbooks.

TRIGONOMETRY

One examination paper.

Measurement of angles, radian measure, trigonometrical ratios or functions of one angle, of two angles, and of a multiple angle, relations between the sides and angles of a triangle, solution of triangles using logarithms, easy problems on heights and distances, general values and inverse functions, limits and approximations, as in Elementary Trigonometry by H. S. Hall and S. R. Knight, adapted for use in Canadian Schools, 1940 edition, published by the Macmillan Co. of Canada, Chapters I-XIII, XVII, XVIII and pp. 204-205, or as in similar textbooks.

MUSIC

Two written examination papers: one on Advanced Rudiments and Harmony, and one on Form and Analysis and History. In addition there will be a short practical examination on Aural Training.

(a) HARMONY

Scales; intervals; transposition of melodies; use of C clefs; barring of certain passages and determining their keys; analysis of chords; chords up to the Dominant 7th and Augmented 6th. This course leads gradually

to the writing of simple harmony in 3 or 4 parts. The work covered is that required for the Grade 10 Theoretical Examination of the Local Centre Examinations. (See the Announcement of the Faculty of Music.)

Textbooks: MacPherson, Rudiments of Music; Kitson, Elementary Harmony—Part I.

(b) FORM AND ANALYSIS

Phrase, sentence, sequence, cadence, accent, rhythm, time, melody, modulation. Early Dance Forms. Suites—with special consideration of the Minuet and Trio.

Textbooks: MacPherson, Form in Music; MacPherson, Studies in Phrasing and Form; R. O. Morris, Structure of Music.

(c) HISTORY

Musical origins, Hebrew and Greek influence on early Christian music; the rise of music in two or more parts; secular music; English, Flemish, and Italian composers; the Renaissance; instrumental music (lute, virginal, viol, etc.); opera; beginnings of the orchestra. Bach and Handel; C. P. E. Bach and sonata form; Haydn; Mozart. The Romantic Movement; nationalism in music; modern music.

Textbook: Stanford and Forsyth, A History of Music; Hadow, Music.

(d) AURAL TRAINING

Development of a mental appreciation of scale degrees; recognition of intervals and simple rhythms; easy dictation; sight reading; listening —to develop quickness of ear, memory, and natural accuracy; quality of tone.

PHYSICS

One examination paper: It will be set upon a general knowledge of the more important principles of elementary physics, the scope being that of Mendenhall, Eve, Keys, and Sutton, *College Physics* (Heath), or of any equivalent text books.

Laboratory Work: Experiments should be performed equivalent to those outlined in *An Elementary College Course in Experimental Physics* (Renouf). The student's notebook setting forth his own laboratory work, certified by the instructor and by the principal of the school, must be forwarded *before the examination* to the Registrar's Office for inspection.

SPANISH

Two examination papers: These will be set as for the Junior School Certificate, but the examination will be of a more advanced character, and will include a short free composition.

Prescribed texts: Baroja, *Zalacain el aventurero* (Heath), Pérez Galdós, (Appleton-Century-Crofts).

CERTIFICATES RECOGNIZED

The following certificates will be considered on their merits towards meeting the University requirements for the equivalent of Senior Matriculation.

PROVINCE OF QUEBEC
Senior High School Leaving Certificate
Senior Catholic High School Leaving Certificate

PROVINCE OF ONTARIO
Grade XIII Certificate

PROVINCE OF NOVA SCOTIA
Grade XII Certificate

PROVINCE OF PRINCE EDWARD ISLAND
Third Year Certificate of Prince of Wales College

PROVINCE OF MANITOBA
Grade XII Certificate

PROVINCES OF ALBERTA AND SASKATCHEWAN
Grade XII Certificate

PROVINCE OF BRITISH COLUMBIA
Senior Matriculation Certificate

GREAT BRITAIN
In the General Certificate, passes in five suitable subjects at Ordinary level and, in addition, in two appropriate subjects at Advanced level.

In addition, pupils of recognized British Public and Secondary Schools who have obtained the General Certificate of Education with the requisite standing as recognized for Junior Matriculation may be admitted to the Second Year without further examination, if they have satisfactorily completed at school a further year's work in the subjects of the McGill Senior School Certificate, and if they are specially recommended by their headmasters or headmistresses.

McGill University

Montreal

Scholarships, Bursaries, Prizes, and Medals

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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ARTS AND SCIENCE

Barbara J. Albu
Barbara I. Armbruster
Henry Auster
Richard D. Barton
Winston Barzell
*Douglas S. Beder
Anne Begor
Suzanne Bernardin
Diane Bernick
Jane Blanar
Thomas Bloom
Reinhard D. Bohme
Morton Brown
Gary Burggraf
Helen Calder
Kenneth Cantor
Kwok Hung Chan
Gerald A. Cohen
*Monroe W. Cohen
Paul B. Cohen
Miriam S. Cooper
Sidney Cooperstein
John E. L. Coté
Gilles J. J. Couture
*Lawrence Davis
Adrien Desautels
Eva Deutsch
Diana J. Doel
Donna Embree
Lada P. Falta
Mary Filotas
Jerry Finkelstein
William Fraiberg
Barry Frank
Sandra J. Freedman
H. Jobst Frohberg
John H. Galloway
Antoinette A. Gelbert
Morris Gertel
Michael A. Golberg
Hyman Goldberg
Sydney G. Goldwater
Stephen I. Goodman
Judith Gould
David P. Gurd
Abraham A. Hartman
Douglas Havens
Kenneth Helal
John R. Hewson
Donna N. Hill
John Horne
*Yigal S. Horowitz
Carol Huberman
Marian E. Jacobsen
Daniel Jassby
Roman Karpishka
Abraham S. Katz
Naida Konkin
Aviva Kravetz
Vita Land
Paul Leblond
David Z. Levine
Saul Levine
Lawrence Light
Katherine E. McKellar
Mortimer Mamelak
Elizabeth Marcinkowska
Oleh M. Maryniak
Lorne M. Mendell
Rebekah Z. Mendelson
Stanley Messer
Jack M. Miller
*Brahm Muhlstock
Andrew Muirhead-Gould
*Martin M. Nathanson

* Holders of J. W. McConnell Scholarships in Science and Engineering.

Lawrence H. Officer
Jane C. Owen
Ronald Pearlman
Stanley Plotnick
Dorothy Pocock
Oliver Portner
Alexander Rabinovitch
Martin C. Raff
*Paul Raynault
Harriet Reich
Eric Rennert
*Lazer Resnick
Ralph Z. Roskies
Leonard A. Rosmarin
Charles Roth
Aaron Rotsstein
Estelle E. Schechter
Stephen A. Scott
Isidore Shanfield
*Alexander Shapiro
Theodore Shiff
David J. Signer
Stephen D. Silver
*Edward Soltes
Lewis R. Somorjai
Nahum Spinner
Michael B. Stein
Hilary J. Thomas
Allan Torobin
Mary L. Turner
Alexander G. Vicas
Gordon J. Wasserman
Arnold Well
Ann Wilson
Anne W. Young
Judith Zeisler
Sandra S. Zelnicker
Arnold Zidulka
*Eric Zornberg

ENGINEERING

Edgar Alzner
Eric M. Anderson
*Christopher Bailey
John Beck
Pierre R. Belanger
James Berwick
John S. Biddle
Klaus Braun
Robert C. Brereton
Robert Brunet
William N. Caldwell
Tsiu Chiu Chan
Yung Leonard Chow
*Allen Clamen
Paul M. Clark
Peter O. Clark
Paul E. Cocciardi
Calvin G. Cooper
Gerald P. Desbois
John T. Dunn
Paul Fiskus
*Barry Flynn
Ching Fung
*Tobias Ghilcig
Nahum Halpern
Frank A. Hamilton
Michael Hasley
*Real J. Hebert
Adrian Herland
William T. Houghton
*Barry A. Howarth
John Hutcheson
Norman R. Jones
Ronald D. Kennedy
Tadek Korn
Danny C. Krupka
George R. Kubanek
Ronald Ladouceur
Henry Langsam
Avrum I. Lapin
Jonathan K. Lee
Ian O. Leslie

* Holders of J. W. McConnell Scholarships in Science and Engineering.

Kwok Ize Leung
Donald G. Mackay
*Donald H. McKay
Barry J. Margolese
Donald G. Mathewson
Paul Mermelstein
Gordon E. Merritt
Joseph Michaud
Peter Perodeau
David N. Pickersgill
Colin S. Russel
John D. Sankey
Viesturs Sefers
Edward A. Silver
Stuart D. Smith
Irving Spinner
Warren Steck
Rene B. Testa
Nick Theodore
Barry R. Thomas
John M. Trischuk
Giulio V. Venezian
Michael B. Walker
John R. Wearing
Andrea Weltzl
Stanley Wesolowsky
*Ronald Williams
*Bernard Zeigler

MEDICINE

Eamon H. Achong
Joseph E. Blustein
Pang Ling Chan
Thomas J. Craig
Robert A. Fortuine
Philip Gold
Norman J. Goldberg
Isadore Horowitz
Joanne H. Jepson
Mortimer Levy
***R. Neil MacDonald
Morven McIlquham
Beverley A. Myers
Allan P. Naimark
Emma F. Ottolenghi
**David M. Quastel
David L. Rimoin
Jack M. Tishler
Bryce K. A. Weir

DENTISTRY

Herbert Greenwald
Melvyn Heft
Ralph Kornbluth
Melvin Shevell
Dante Villani
Gerard Weinlander

LAW

Jean-Louis Baudouin
Ruth Goldwater
Benjamin Greenberg
Daniel N. Mettarlin

DIVINITY

John C. Hoffman
Murray C. Magor

SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY

Pearl Bronstein

MACDONALD COLLEGE

Dawn E. Bryden
Margaret E. Forrester

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* Holders of J. W. McConnell Scholarships in Science and Engineering
** Frederick Smith Memorial Scholar
*** James Eccles Scholar

HOLDERS OF J. W. McCONNELL MEMORIAL SCHOLARSHIPS

MERIROSE ALLEN
HAZEL DAWE
DEANE DOWNEY
COLETTE L. GOSSELIN
BARBARA J. HACKETT
RICHARD W. HENRIKSEN
ESTELLE E. SCHECTER
WARREN F. STECK
DOROTHY M. TURNBULL
R. JOHN WRAY

HOLDERS OF MORRIS W. WILSON MEMORIAL SCHOLARSHIPS

MARY E. BELBIN
ROY V. COLE
JAMES R. FERGUSON
GERALDINE A. McMICHAEL
ORVILLE J. MESSENGER
SANDRA J. MOORE
NEIL S. OAKEY
DONNA C. STEVENS
JEAN E. TAYLOR
GRACE H. WATANABE

Scholarships, Bursaries, Prizes, Medals, and Loan Funds

I. GENERAL STATEMENT

1. POLICY

The policy of the University Scholarships Committee is first, to recognize and honour scholarship; second, where a scholarship winner is in financial need, to meet that need as far as resources permit and as equably as possible, through its Student Aid Office. The fact that a student wins a scholarship is published. The fact that he may receive financial aid is not published.

DEFINITION OF TERMS

Funds for financial aid to students come from several different sources; general University funds, private benefactors, industry, corporations and governments. The terms used to describe awards are not therefore completely uniform. The following definitions apply to those funds allocated by the University and express the revised policy approved by the University Scholarships Committee, Senate, and the Board of Governors in 1958-59. This does not apply to certain awards whose values are indicated throughout this Announcement.

Scholarship.—A scholarship is an honour granted for distinguished academic performance. It carries no financial stipend whatever. Any scholarship winner, however, who has financial need should apply for financial assistance as indicated below.

Bursary.—A bursary is a financial award made on the basis of need, to a student whose academic achievement, promise and character are acceptable.

Loan.—A loan is a form of aid awarded to supplement a student's resources where his earning potential justifies the prospect of early repayment. In granting loans, sound academic achievement, promise and character are taken into account.

Fellowship.—A grant of a specific amount awarded for graduate study or research and based only on ability.

2. STUDENT AID OFFICE

The amount and nature of financial need is determined by the Student Aid Office.

Applications for Entrance Scholarships should be directed to the Registrar's Office. If financial aid is requested by an entering student the Registrar will forward the request through the University Scholarships Committee to the Student Aid Office.

Applications by needy students whose scholarships have been renewed and by upper year applicants for bursaries and loans should go directly to the Student Aid Office.

Except for Fellowships, which are in a special category, the assumption is that the first responsibility for a student's education lies with his parents and with the student himself. Where, however, parental help is unavoidably inadequate, the University will help as far as possible.

Bursaries and loans are also available to students who do not have scholarship standing. A loan may be as high as one year's fees but the University does not encourage students to become heavily indebted.

All applicants for aid are expected to apply for Dominion-Provincial grants or other assistance for which they may be eligible to help them finance their University education.

SCHOLARSHIP APPLICATION

Applications for Entrance Scholarships of all kinds should be made in the first instance to the Registrar's Office. The forms should be completed and in that office by July 1st and a confidential letter should also be sent by the High School Principal. This must be done before matriculation results are known. The official matriculation results should be forwarded as soon as they are available.

GENERAL REGULATIONS

(1) Scholarships are awarded and bursaries and loans granted only to students taking a regular course leading to a degree or diploma.

(2) Scholarships are awarded only if an adequate academic standard is attained.

(3) The annual income of scholarships and bursaries is usually paid in two instalments, one in October and one in January.

II. ENTRANCE SCHOLARSHIPS

Unless otherwise stated, applications for these scholarships must be made to the Registrar before 1st July.

Unless otherwise indicated, the word "Examination" is used below to denote the University School Certificate Examination, the Provincial High School Leaving Examination, the Catholic High School Leaving Examination, or any other standard examination recognized for entrance scholarships.

Applicants who have written examinations other than the McGill School Certificate Examination should send a certified copy of their examination marks to the Registrar's Office as soon as they are published.

NATIONAL SCHOLARSHIPS

These scholarships are designed to enable outstanding men and women from all parts of Canada who would not otherwise be able to do so to attend the University. They will be awarded both to students entering undergraduate degree courses by means of matriculation examinations and to students entering any professional faculty of the University except the Faculty of Graduate Studies and Research. The undergraduate work of students entering such professional faculties as Medicine, Dentistry, Law, Divinity, etc., must have been completed at some other university. These scholarships are tenable for four years or for the period necessary for the holder to obtain his first degree, whichever is the shorter period provided academic standing satisfactory to the University Scholarships Committee is maintained. The amount awarded will depend upon need, but may extend to the full costs of tuition, residence, and board. As far as possible, holders will be accommodated in University residences, but this cannot be guaranteed.

Normally, National Scholarships will be awarded only to students who reside outside the Montreal area.

Matriculants must apply on forms to be obtained from the Registrar's Office as indicated above. Applicants for National Scholarships in the professional faculties must apply in the first instance to the Dean of the Faculty or School concerned whose deadline for admissions may be as much as six months earlier.

DAVID WOLFSON SCHOLARSHIPS

Two of these National Scholarships have been made possible through the generosity of Mr. David Wolfson and two winners will, therefore, be designated as David Wolfson Scholars.

UNIVERSITY ENTRANCE SCHOLARSHIPS

University Entrance Scholarships are open to men and women and are awarded on the basis of very high standing in Canadian Junior or Senior Matriculation results in any province. The winner receives the title of "University Scholar" and his name is printed in the Calendar and on the official transcript of his record.

University Entrance Scholarships carry no financial stipend. Where there is financial need, however, winners may apply for assistance. Winners from the Montreal area may, on proof of need, receive up to full tuition fees. Winners from other parts of Canada may receive up to full tuition fees, plus $500 as indicated by the need for financial assistance.

Application for these awards and for financial assistance should be made through the Registrar's Office as indicated above.

J. W. McCONNELL SCHOLARSHIPS IN SCIENCE AND ENGINEERING

These scholarships which were made possible through the generous donation of Mr. J. W. McConnell, are awarded to students proceeding to degrees in any field of Science or Engineering and are renewable each year. Candidates must have been born in Canada and must show that their financial circumstances are such that without this scholarship they would be unable to attend the University. Upon proof of need a Montreal student may receive up to the tuition fees. A student from outside Montreal, on proof of need, may receive up to the tuition fees plus the cost of board and residence.

Application should be made through the Registrar's Office as indicated above.

J. W. McCONNELL MEMORIAL SCHOLARSHIPS.—Created and endowed by Mr. J. W. McConnell of the Board of Governors as a memorial to the men and women of the University who gave their lives in the war of 1939-45. The Scholarships are open on equal terms to men and women from any part of Canada and are tenable in the Faculty of Arts and Science, or the Faculty of Engineering. Each scholarship covers the full tuition fee as well as the cost of board and residence in Douglas Hall or the Royal Victoria College for four years or the period necessary to enable the winner to obtain his degree, whichever is the shorter. The award is made by a Special Committee which takes into consideration the character and the financial circumstances of the applicant as well as the academic record. The holder will normally forfeit the scholarship if he fails to maintain an academic standing satisfactory to the Special Committee. Application forms may be obtained from the Registrar's Office and must be submitted by June 1st.

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS.—Established by contributions from a large number of intimate friends and business associates of the late Morris W. Wilson as a memorial to a distinguished citizen who, among his many public activities, rendered distinguished service to the cause of education, and who, at the time of his death, occupied the office of Chancellor of McGill University. The creation of the fund marks the culmination of a hope long cherished by Mr. Wilson, that of supplying the means whereby young Canadian boys and girls of outstanding ability and promise, but in poor financial circumstances, might obtain the benefits of a university education. It is hoped that this fund may be the means of assisting many deserving young Canadians, particularly those from rural areas, to become better equipped to perform the duties of citizenship and so more effectively to apply their abilities to the general development and welfare of their country.

These Scholarships are open on equal terms to men and women of Canadian parentage, now resident in Canada, and are open only to students who wish to enter the Faculty of Arts and Science, the Faculty of Engineering, or the degree course in Agriculture at Macdonald College. Each scholarship covers the full tuition fee of the student, as well as the cost of board and residence at Douglas Hall, the Royal Victoria College, or Macdonald College, for four years or the period necessary to enable the student to obtain his degree, whichever is the shorter. The holder will normally forfeit the scholarship if, during his course, he fails to maintain an academic standing satisfactory to the Special Committee. Application forms may be obtained from the Registrar's Office and must be submitted by June 1st.

GENERAL MOTORS SCHOLARSHIPS.—Three entrance scholarships at McGill University have been established by the General Motors Corporation of Canada and are open to outstanding young Canadian men and women entering the Faculty of Arts and Science, the Faculty of Engineering, or the degree courses in Agriculture or Household Science at Macdonald College. The scholarships are renewable annually, provided the holders maintain a satisfactory academic standing, for a period of four years or the period necessary to enable the winner to obtain his degree, whichever is the shorter. Should a holder withdraw or fail to maintain a satisfactory standing the scholarship may be awarded to another qualified candidate who is a member of the same class. The amount of each award is flexible and will range from an honorary award of $200 up to an award of $2,000 a year depending upon the demonstrated need of the individual. Application from out-of-town students should be made on the McConnell-Wilson Memorial Scholarship application form and from local students on the regular University Entrance Scholarship application form. Applications must be submitted on or before the 1st of July.

INCO SCHOLARSHIP.—One entrance scholarship has been established by the International Nickel Company of Canada Ltd., restricted to study in the fields of geology, geophysics, mining, metallurgy, physics, mathematics, and engineering. The scholarship covers tuition fees and provides an additional allowance for books and living expenses. It is open to graduates of any Canadian high school or preparatory school and is awarded by the University Scholarships Committee on the basis of academic record, character, and financial need. It is renewable annually until graduation provided satisfactory standing is maintained. If the holder of a scholarship withdraws from the University or fails to satisfy all the requirements, the scholarship will be awarded to another qualified student who is a member of the same class. Application should be made on the regular University Entrance Scholarship form.

EDGAR WILSON AND MARGARET WILSON SCHOLARSHIPS.—These scholarships were established in 1956 by a bequest from the late Edgar Moles Wilson to provide scholarships in the case of boys to be known as the Edgar Wilson Scholarships and in the case of girls to be known as the Margaret Wilson Scholarships. They are to assist boys and girls in obtaining higher education in any faculty and are awarded by the University Scholarships Committee on the basis of academic merit and financial need. The awards will not exceed $600 a year and will be renewable annually provided satisfactory standing is maintained. Application should be made on the regular University Entrance Scholarship Form.

SIR WILLIAM MACDONALD ENTRANCE SCHOLARSHIPS IN ARTS AND SCIENCE.—Four scholarships of $150 each, tenable for one year only, were endowed by Sir William Macdonald and are open only to men. They are awarded under the conditions governing University Entrance Scholarships. (See page 610 for particulars.)

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS.—Two scholarships, one in Classics (Greek and Latin) and one in Mathematics, of the value of $600 each, were founded by the late Sir Edward Beatty, former Chancellor of the University. The scholarships are payable at the rate of $150 per annum for four years, and are tenable only in the Faculty of Arts and Science. The scholarships are awarded primarily for ability in either Classics or Mathematics, but school and examination records in other subjects may be taken into account. These awards are made under the conditions governing University Entrance Scholarships (see page 610) and candidates will be required to submit:

(*a*) their complete High School record,

(*b*) their marks or grades in any recognized examination,

(*c*) confidential letters from their school principals.

The winner of a Sir Edward Beatty Memorial Scholarship on entering the University need not necessarily take courses leading to honours in Classics or in Mathematics, but may enter any course for which he is qualified in that Faculty.

Applications must be made on forms which may be obtained from the Registrar's Office. These must be returned not later than 1st July.

These scholarships are open only to male students, educated in Canadian schools, whose parents are British or Canadian born.

HON. ROBERT JONES BURSARY.—Valued at $120 per annum is granted "from time to time to some needy student for the full term of study in the Faculty of Arts and Science or Engineering." The bursary is not continued if the standing of the holder proves to be unsatisfactory.

ROBERT BRUCE SCHOLARSHIP AND BURSARY.—One entrance scholarship of $100 for one year is available in the Faculty of Arts and Science.

One bursary of $100 is open each year to "young men and women of promising abilities but of straitened circumstances in Arts and Science or Engineering."

FONDATION LES AMIS DE L'ART BURSARY.—A bursary of $200 has been established by the Fondation Les Amis de l'Art as a contribution towards the costs of a complete course either in music or in literature renewable each year of the course. The award is made by the University Scholarships Committee to a student under 25 and of limited financial means.

*OTTAWA VALLEY GRADUATES' SOCIETY BURSARY.—This bursary of $100 is given through the Ottawa Valley Branch of the Graduates' Society and is open only to bona fide residents of the territory of the Ottawa Valley Graduates' Society. The winner is selected by the University from candidates who have written (1) The McGill School Certificate Examination or (2) The Quebec Catholic or Protestant High School Leaving Examination or (3) The Ontario Grade 12 Examinations or (4) The McGill Senior School Certificate or (5) The Ontario Grade 13 Examination or (6) The Quebec Catholic or Protestant Senior High School Leaving Examination.

VALLEYFIELD ROTARY SCHOLARSHIP.—An entrance scholarship of $500 is available to residents of the City of Valleyfield and Nitro entering the First year of the University. Preference will be given to those entering the Science or Engineering courses and to those who would not otherwise be able to attend the university. The Scholarship is awarded by the University Scholarships Committee. Application should be made to the Valleyfield Rotary Club.

SEBA ABBOTT SMITH MEMORIAL SCHOLARSHIP.—This scholarship which is restricted to women students has a minimum annual value of $50 and a maximum annual value of $200. It will be renewable annually until the holder obtains her first degree provided the holder maintains an academic standing satisfactory to the University Scholarships Committee. The actual value of the award will be determined each year by the University Scholarships Committee according to the need of the holder. Applications should be made on the regular University Entrance Scholarship application forms.

*CANADIAN PACIFIC RAILWAY SCHOLARSHIPS.—Scholarships covering five years' tuition in Chemical, Civil, Mechanical, or Electrical Engineering, or six years' tuition in the School of Architecture, or four years' tuition in the Arts or Science courses of the Faculty of Arts and Science, or in the School of Commerce, or four years' tuition in the School of

**Tenable also at Macdonald College.*

Household Science, Macdonald College, or four years' tuition in the B.Sc.(Agr.) course in the Faculty of Agriculture, Macdonald College, are awarded annually by the Canadian Pacific Railway Company. These are open for competition to apprentices and other employees of the Company under twenty-one years of age, as well as to minor sons and daughters of employees. The method of award is that of the University Entrance Scholarships described on page 611, candidates being required to submit:

(*a*) their complete High School record,

(*b*) their marks or grades in any recognized examination,

(*c*) confidential letters from their school principals.

The scholarships will be renewed until the holders obtain their first degrees provided they are entitled to full standing in the next higher year.

Forms of eligibility and full particulars as to the number of scholarships available, etc., may be obtained from Mr. T. E. Brady, Superintendent of Pensions and Staff Registrar, Pension Department, C.P.R. Offices, Montreal. Applications, on forms obtainable from the Registrar's Office, accompanied by statements of eligibility from Mr. Brady, must reach the Registrar's Office before 1st July.

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS.—Two scholarships have been established as a memorial to the late George Herrick Duggan, D.Sc., LL.D. These are:

(*a*) A scholarship offered annually by the Dominion Engineering Works, Limited, open to all employees of the Dominion Engineering Works, Limited, and its wholly owned subsidiary companies, and to their sons and daughters.

(*b*) A scholarship offered annually by the Dominion Bridge Company, Limited, open to all employees of the Dominion Bridge Company, Limited, and its wholly owned subsidiary companies, and to their sons and daughters.

The value of each of these scholarships will not exceed $750 if the winner comes from outside Montreal, or if in the judgment of the Committee it is desirable for the winner to reside away from home in the interests of his academic work. If the winner is able to live at home, however, the value of the scholarship will be equivalent to the full tuition fees payable to the University, and the Awarding Committee may in this case make an additional grant where there is financial need.

The purpose of these scholarships is to provide an incentive to eligible candidates to qualify themselves for a university education in engineering or scientific work or allied subjects, and to afford them financial assistance

while pursuing university studies. The scholarships are awarded primarily on the intellectual attainment and academic record of the applicants, although the characters of the candidates and other circumstances are also taken into consideration. They may be granted for any period, from one to five years, inclusive. To qualify, the applicant must attain the entrance requirements from time to time established by the University for the course of study applied for, with an average standing of not less than 75%, and thereafter maintain an academic standing satisfactory to the University Scholarships Committee.

In exceptional cases qualified students in the Faculty of Arts and Science and the Faculty of Engineering may be considered for these scholarships.

The awards are made by the Board of Governors on the basis of a recommendation from a special committee composed of the Chancellor, the Principal and Vice-Chancellor, and the Warden of the Royal Victoria College. Applications should be submitted in the form prescribed for University Entrance Scholarships (see page 610).

CONSTRUCTION INDUSTRY SCHOLARSHIP.—A scholarship of $550 is open annually to the sons of employees in the Construction Industry and is tenable in the Faculty of Engineering (Civil, Electrical, or Mechanical only) or the School of Architecture. The award is made by the University Scholarships Committee in consultation with the Building Trades Joint Committee. Academic qualifications and financial need are taken into consideration when making the award. The scholarship is renewable annually until the holder graduates provided his academic standing is sufficiently high. Application forms may be obtained from the Building Trades Joint Committee, 1526 St. Mark St., Montreal, and must be returned by July 1st.

FRANK P. JONES SCHOLARSHIPS.—Under the will of the late Frank P. Jones, in his lifetime President of Consumers Glass Company, Limited, provisions have been made for the establishment of one or more scholarships at McGill University, which are open to junior employees and to sons and daughters of employees of Consumers Glass Company, Limited. Each scholarship will have a maximum annual value of the amount of the holder's tuition fees plus $150 for books and incidentals, and will be awarded by the University Scholarships Committee to a candidate with qualifications satisfactory to the University. Each candidate must have a good matriculation standing. The scholarships are renewable annually provided the holders obtain satisfactory grades in the examinations at the University.

SPRUCE FALLS POWER AND PAPER COMPANY LIMITED SCHOLARSHIP.—An entrance scholarship of $1,000 established by the Spruce Falls Power and Paper Company Limited is open to students entering the First or Second year of the Faculty of Engineering. The award is made by the University Scholarships Committee in consultation with the Scholarships Committee of the Faculty of Engineering on the basis of academic standing, engineering promise, and financial need. The scholarship is renewable for a second year in the Faculty of Engineering provided satisfactory standing is maintained and will be of the value of $600. Application should be made on the regular University Entrance Scholarship form and submitted to the Registrar by July 1st.

KIMBERLY-CLARK SCHOLARSHIP.—An entrance scholarship of $600 established by the Kimberly-Clark Corporation of Canada Limited is open to students entering the First or Second year of the Faculty of Engineering. The award is made by the University Scholarship Committee in consultation with the Scholarship Committee of the Faculty of Engineering on the basis of academic standing, engineering promise and financial need. The scholarship is renewable for a second year in the Faculty of Engineering provided satisfactory standing is maintained and will be of the value of $400. If the holder of a scholarship withdraws from the University or fails to satisfy all the requirements, the scholarship will be awarded to another qualified student who is a member of the same class. Applications should be made on the regular University Entrance Scholarship form and submitted to the Registrar by July 1st.

SIDNEY J. HODGSON SCHOLARSHIPS.—Two scholarships, of the approximate values of $200 and $175 respectively, were founded by Arthur J. Hodgson, Esq., in memory of his son, Sidney James Hodgson, a student of the First Year in Arts, who was killed in action on September 27th, 1918, while serving in the 66th Battery of the Canadian Field Artillery. They are open to boys and girls of Westmount High School who have been in attendance for at least one year. The $200 scholarship is tenable only in the Faculty of Engineering and the $175 scholarship only in the Faculty of Arts and Science. They are awarded to the pupils with the highest percentages in the Junior High School Leaving subjects required for admission to these faculties.

QUEEN ESTHER CHAPTER NO. 30 ORDER OF THE EASTERN STAR BURSARY.—This bursary of $100 established in 1951 by the Queen Esther Chapter No. 30 Order of the Eastern Star is awarded annually by the University Scholarships Committee to a deserving student entering the University.

*SCHOLARSHIP GRANTED BY THE GRADUATES' SOCIETY OF THE DISTRICT OF BEDFORD.—This scholarship of $225 is awarded each year to a student who has taken his or her High School classes (Grades IX, X, and XI) in one of the High Schools of the District of Bedford and who enters the University or Macdonald College to take any full-time degree course. The award, which may be divided between two students, is based on the results of the High School Leaving marks and is awarded by the District of Bedford Graduates' Society upon the recommendation of the University Scholarships Committee.

*ST. FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY.—This Bursary of $400 is restricted to residents of the area covered by the St. Francis District Branch of the Graduates' Society and is open to pupils of any high school or private school entering any faculty or school of McGill University, including Macdonald College. The Bursary may be renewed for a second year. An amount of $250 of the Bursary is to be repaid by the holder at the rate of a minimum of $50 per year after graduation. The award is made by the St. Francis District Branch of the Graduates' Society on the recommendation of the University Scholarships Committee. Application forms may be obtained from the Registrar's Office.

NARCISSA FARRAND (MRS. N. PETTES) SCHOLARSHIP.—This scholarship, of not less than $600 ($150 for four years), founded and endowed by Mr. and Mrs. H. V. Truell, of Sweet Acre, Knowlton, Que., is awarded annually to the candidate from the Eastern Townships who obtains the highest marks in the June Entrance Examinations for admission to the Faculty of Arts and Science, and who has had his domicile in the Eastern Townships for five consecutive years immediately preceding the examination. Applications should be made on the regular University Entrance Scholarship application forms.

GRACE FAIRLEY TRAFALGAR SCHOLARSHIP.—Founded in 1913 by certain friends and former pupils of the late Miss Grace Fairley, to signalize her long and faithful service to education as head of the Trafalgar Institute. It is of the value of $100, is tenable for one year only, and is awarded annually to the student of Trafalgar Institute who obtains the highest marks in the June School Certificate Examination and enters the Faculty of Arts and Science.

*ISABELLA C. MACRAE SCHOLARSHIP.—This scholarship of $150 is open to residents of Maxville, Ont., who have satisfied the requirements for entrance to McGill University. Should there be no successful applicants from this locality for six years, the scholarship will subsequently be open to any resident in Ontario.

**Tenable also at Macdonald College.*

DUNCAN MCCASKILL SCHOLARSHIP.—This scholarship which is restricted to students from Nova Scotia has a minimum annual value of $50 and a maximum annual value of $200. It will be renewable annually until the holder obtains his or her first degree provided the holder maintains an academic average satisfactory to the University Scholarships Committee. The actual value of the award will be determined each year by the University Scholarships Committee according to the need of the holder. Applications should be made on the regular University Entrance Scholarship application forms.

*CHRISTIE-STORER SCHOLARSHIP.—A scholarship of the value of $200, endowed by the above-named Chapter of the I.O.D.E. in memory of the men of St. Lambert who fell in the Great War, 1914-18, is awarded annually to the pupil residing in St. Lambert who stands highest in the June High School Leaving Examination each year at the Chambly County High School.

MONTREAL WOMEN'S CLUB ELIZA REID MEMORIAL SCHOLARSHIP.—Founded in 1927 by the Montreal Women's Club in memory of the first President of the Club, Mrs. Robert Reid. This scholarship of the value of $150 is tenable for one year, and is awarded each year to a graduate of the Montreal High School for Girls who has completed at least Grades X and XI in this school, and who plans to enter the First year of McGill University in a degree course.

NOTRE DAME DE GRACE WOMEN'S CLUB BURSARY.—This bursary of $150, tenable in the First Year of the University, is awarded annually to a girl student who has completed Grades X and XI in West Hill High School.

VERDUN WOMEN'S CLUB INC. BURSARY.—This bursary of $100 is tenable for one year and is awarded annually by the Verdun Women's Club Inc. to a student who has completed Grade XI in the Verdun High School and who plans to enter the First year of the University, or to a student who has completed Grade XII in the Verdun High School and who plans to enter the Second year of the University. The award is based on academic record, character, and financial need. Preference is given to girl students.

*WESTMOUNT WOMEN'S CLUB SCHOLARSHIP.—A scholarship to the value of $200 is awarded annually by the Westmount Women's Club to a girl student matriculating into McGill University or Macdonald College from the Westmount High School.

IMPERIAL ORDER DAUGHTERS OF THE EMPIRE SECOND WAR MEMORIAL BURSARIES.—A number of bursaries in Canadian Universities for students of high academic standing and promise are offered each year by the Imperial Order Daughters of the Empire as a memorial to Canadian men and

**Tenable also at Macdonald College.*

women who gave their lives in the defence of Freedom during the Second World War. At least one bursary will be awarded in each Province and one in the Yukon to sons and daughters of deceased or disabled Canadian men and women of the Services (Army, Navy, Air Force; World War II) who are receiving a pension. These bursaries are of the value of $1,600, i.e., $400 a year for four years provided the holder passes the examinations of each year in the spring or at the latest in the autumn of the same year, and satisfies the Provincial Committee of Selection of his or her continued fitness to retain the bursary. In making the award the Selection Committee will take into consideration the general record and standing in school, physical fitness, and family circumstances. A candidate must write the Provincial Departmental examinations and may choose the university which he or she wishes to attend. Further information and application forms may be obtained from the Provincial I.O.D.E. Educational Secretary of each Province. In Quebec, the address is 4112 Western Ave., Westmount, Quebec.

AMERICAN CAN COMPANY SCHOLARSHIPS.—These scholarships established by the American Can Company are open to junior employees who have completed at least one year's service with the Company and to sons and daughters of employees who have completed at least five years' service and whose salaries do not exceed $700 per month. All candidates must have completed a high school education or its equivalent and must have a scholastic standing in the top third of the class. Students who have begun their college careers are not eligible. Candidates will be required to take the scholarship aptitude test given by the College Entrance Examination Board. Each scholarship is of the value of full tuition fees payable to the college or university. Each winner may choose any approved privately controlled four year college or university in the United States or any Canadian college or university belonging to the National Conference of Canadian Universities and may undertake any course of study that he or she desires. Further information and application forms which must be submitted by November 30th may be obtained from the Administrator, Scholarship Programme, Canadian Division, American Can Company, 92 King St. East, Hamilton, Ontario.

UNIVERSITY BURSARIES (see page 609).

*KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND (see page 625).

*LEONARD FOUNDATION SCHOLARSHIPS (see page 625).

WOMEN ASSOCIATES OF McGILL BURSARY (see page 626).

GEORGE J. McMANUS MEMORIAL SCHOLARSHIPS (see page 622).

CHILDREN OF WAR DEAD (EDUCATION ASSISTANCE) ACT (see page 623).

DOMINION-PROVINCIAL LOANS AND BURSARIES (see page 623).

*_Tenable also at Macdonald College._

III. SCHOLARSHIPS, BURSARIES, LOAN FUNDS, AND PRIZES IN THE VARIOUS FACULTIES OF THE UNIVERSITY

A. OPEN TO STUDENTS IN ALL FACULTIES

UNIVERSITY SCHOLARSHIPS.—After one year at McGill, University Scholarships may be awarded by the University Scholarships Committee to students in any year of any undergraduate faculty. They are awarded for exceptionally distinguished work in the regular University examinations and special applications are not required.

Two of these University Scholarships have special names, the James Eccles Scholarship which is tenable in any year of any faculty, and the Frederick Smith Memorial Scholarship which is tenable only in the Faculty of Medicine.

All University Scholarships are renewable annually provided that, in the opinion of the University Scholarships Committee, the holders maintain a sufficiently high academic standing.

University Scholarships carry no financial stipend. Where there is financial need, however, winners may apply for assistance. Winners from the Montreal area may, on proof of need, receive up to full tuition fees. Winners from other parts of Canada may receive up to full tuition fees, plus $500 as indicated by the need for financial assistance. Students with need, on notification of winning a University Scholarship should then apply to the Student Aid Office.

Unless otherwise stated, application for the following awards should be made to the Student Aid Office.

GEORGE J. MCMANUS MEMORIAL SCHOLARSHIPS.—These Scholarships are awarded by the University Scholarships Committee and are open to men or women students in any year of any faculty who have high academic records and need financial help. Each scholarship has a minimum value of $100 and a maximum value of $200. The actual amount awarded will depend upon the need of the winner. These scholarships may be held by students who already have other scholarships, provided they have real financial need.

UNIVERSITY BURSARIES.—The University has established a number of bursaries open to students in all faculties and schools. The general regulations governing the award of these are stated on page 610. Application must be made on a special form which may be obtained from the Student Aid Office.

CHILDREN OF WAR DEAD (EDUCATION ASSISTANCE) ACT.—Under this Act fees and monthly allowances are provided for children of Canadian veterans whose death was attributable to military service. Enquiries should be directed to the nearest District Office of the Department of Veterans Affairs or to the Student Aid Officer, McGill University.

*DOMINION-PROVINCIAL LOANS AND BURSARIES—The Dominion and Provincial Governments jointly offer a number of bursaries and combined bursaries and loans to degree students in most faculties and schools. These are open to men and women on equal terms. The Quebec Provincial grants given by the Department of Youth and Social Welfare are 60% bursary and 40% loan, the latter being repayable one year after graduation. To be eligible for a Quebec grant, a student must be a British subject with at least two years' residence in the Province of Quebec prior to admission to the University, and must be under thirty years of age, in good academic standing, and in definite need of financial assistance. In some cases bursaries may be granted to married students. Students following the B.A. course and students in Divinity, Nursing and Graduate Studies are not eligible under this plan, nor are students who receive any assistance from other Government funds. The award varies with the need and will not generally exceed $300 for a Montreal resident or $500 for a non-resident in any one session. If the maximum amount is insufficient to enable a student to undertake or continue his studies an additional loan of $200 per academic year in the case of a resident and $500 per academic year in the case of a non-resident may be granted. These bursaries may be renewed upon application to the Student Aid Office before 1st June if the conditions for granting the award are maintained. Applications for new bursaries must be submitted on the proper forms before 15th September. Decisions regarding renewals of these bursaries are usually made late in August, but decisions regarding the award of new bursaries are not usually made until after the middle of October. For further particulars apply to the Student Aid Office. Students coming to McGill from other provinces should inquire from their Provincial Departments of Education whether they are eligible to participate in any comparable scheme.

CITY OF MONTREAL BURSARIES.—The City of Montreal has established a fund at McGill University to aid financially needy students whose parents are residents of the municipality of Montreal.

PROCTER & GAMBLE STUDENT BURSARY FUND.—The Procter & Gamble Company of Canada Limited has established a fund of $1,500 to assist needy students in any faculty or year who are of good academic standing. There is no restriction as to race, colour, creed, or national origin, but recipients will normally be Canadian residents who expect to maintain permanent

These awards are also tenable at Macdonald College.

residence in Canada. Awards are made by the University Scholarships Committee and the minimum award is $100. It is hoped by the Company that any student who benefits from the fund will later contribute to the general bursary funds of the University when in a financial position to do so. These bursaries may be held concurrently with other awards.

*B'NAI B'RITH BURSARIES.—Three bursaries of $100 each have been given to the University by the Mount Royal Lodge of B'nai B'rith. These bursaries are open to men and women students in any faculty. Need and scholarship will determine the award. Applications in writing must reach the Registrar before the end of August.

B'NAI B'RITH HILLEL FOUNDATION BURSARY.—This Bursary of $200, established by the B'nai B'rith Hillel Foundation of McGill University, is awarded by the University Scholarships Committee to a deserving student, irrespective of race, colour, or creed, in any faculty, preference being given to a student returning from service in the armed forces.

*FREDERICK SOUTHAM KER BURSARY.—This bursary was established in 1941 by the late F. N. Southam in memory of his grandson, Frederick Southam Ker, who was killed in action on September 6th, 1940. This bursary of $200 is open on equal terms to men and women of all faculties without respect to religion or race. It is awarded to a student who gives promise of becoming a good citizen but is handicapped in his or her academic course by lack of funds. Financial need, character, and academic record are all taken into account in making the award.

STUDENTS' SOCIETY BURSARIES.—In 1953 the Students' Executive Council established three bursaries to be awarded by the University Scholarships Committee without restriction as to race, colour, nationality, creed, or sex. The bursaries are open to members of the Students' Society in any faculty or year with at least Second Class standing in the year preceding the award. The basis of the award is financial need, academic standing, and the candidates' contributions to student activities (other than athletics). The present value of these bursaries is $150 each.

NATIONAL COUNCIL OF JEWISH WOMEN OF CANADA, MONTREAL SECTION, BURSARIES.—The National Council of Jewish Women of Canada, Montreal Section, offers each year a limited number of bursaries. The value of each award is normally $100. These bursaries are awarded by the Council upon the recommendation of the University Scholarships Committee. Academic standing and financial need are both taken into consideration in making the award. Although there is no legal obligation to pay back these bursaries, the National Council of Jewish Women hopes

Tenable also at Macdonald College.

that holders will, if possible, return the money at some future time so that other students may in their turn be helped through college. Application should be made on the ordinary University Bursary application form.

CELIA AMDUR ISAACS MEMORIAL BURSARY.—Established in 1953 by the Montreal Section of the National Council of Jewish Women and Mr. I. Sydney Isaacs, this bursary of $100 is awarded by the Council upon the recommendation of the University Scholarships Committee. Application should be made on the regular University Bursary form.

ANNIE RABIN WOLFE BURSARY.—A bursary of $250 in memory of the late Mrs. Annie Rabin Wolfe has been established by Mr. David Wolfe, her husband, and Mr. Nathan Wolfe, her son. The bursary, which may be divided, is open to full-time students in any faculty or school without regard to nationality or religion. It is awarded by the National Council of Jewish Women upon the recommendation of the University Scholarships Committee.

FELIX LEOPOLD BURSARY.—This bursary of $100 was established in 1953 by Mr. Felix Leopold of Montreal and is awarded annually by the University Scholarships Committee to a needy student in any faculty. The holder must have a satisfactory academic record and be of good character, but may be of any religion or nationality.

ABRAHAM I. LANG MEMORIAL BURSARY.—This bursary of $50 has been established by Mr. I. Wachman in memory of the late Abraham Isaac Lang, B.A. '28, B.C.L. '32. It is open to men or women students in any faculty who have satisfactory academic records and real financial need. The award is made by the University Scholarships Committee.

*KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND.—The interest on this fund is awarded in scholarships by the Scholarships Committee subject to the following two conditions:

(i) that the scholarships may be held by undergraduates only;

(ii) that the preference is given to sons and daughters of soldiers:

(a) who served in the war of 1914-18;

(b) who served in the war of 1939-45.

*LEONARD FOUNDATION SCHOLARSHIPS.—The Leonard Foundation, created in 1916 by the late Colonel Reuben Wells Leonard and Mrs. Leonard, offers each year a number of scholarships tenable at schools, colleges, and universities in Canada, approved by the Foundation.

The scholarships are open to men and women. A student to be eligible must be "a British subject, of the white race, of the Christian Religion in its Protestant form, and of the full age of fourteen years."

*_These awards are also tenable at Macdonald College._

The amount of the award will vary with the need of the winner.

Sons and daughters of the following are given preference in the selection of scholars:

(a) Clergymen, (b) School Teachers, (c) Officers, Non-Commissioned Officers and Men, whether active or retired, of Her Majesty's naval, military, or air forces, (d) Graduates of the Royal Military College, (e) Members of the Engineering Institute of Canada, (f) Members of the Mining and Metallurgical Institute of Canada.

The University is willing to endorse and forward with its recommendation applications of any candidates who may wish to apply through the University and are approved by it.

Such candidates must make their applications on forms to be obtained from the Student Aid Office and must return these to the Registrar before January 1st in the year in which the award would be granted.

A booklet giving further particulars may be consulted in the Student Aid Office.

WILLIAM JOHN DEY BURSARIES.—Established in 1950 under the will of the late Mary Helena Dey in memory of her father, the Reverend William John Dey, M.A., D.D., (B.A.), Class of 1867, McGill University, these bursaries are open to full-time undergraduates, both men and women, in all faculties and schools, and are awarded by the University Scholarships Committee.

KENNETH M. BURKE BURSARIES.—These bursaries were established in 1946 by Dr. Hugh E. Burke in memory of his brother, the late Kenneth M. Burke. They are open to men and women in any faculty, preference being given to sons and daughters of ministers of religion.

NOURALLA LUTFY MEMORIAL BURSARY.—This bursary of $200 was established in 1958 under the will of the late Mr. Nouralla Lutfy and a further donation from his son, Mr. John Lutfy. The award is made by the University Scholarships Committee to a deserving student in any faculty or school.

FROTHINGHAM BURSARIES.—The Frothingham Bursary Fund was established in 1951 by a bequest from the late Mrs. Harriet F. Milller, the revenue of which is used to provide bursaries for outstanding women students in any faculty. These bursaries are awarded by the University Scholarships Committee.

SIGMA DELTA TAU SORORITY BURSARY.—A bursary of $125 has been established by the Sigma Delta Tau Sorority which is awarded annually by the University Scholarships Committee to a worthy female student without regard to religion who has completed her First, Second, or Third year of any faculty.

WOMEN'S UNION SCHOLARSHIP (see page 644).

MONTREAL BRANCH, CANADIAN WOMEN'S PRESS CLUB SCHOLARSHIP IN JOURNALISM.—This scholarship of $150 is open to women students in any faculty at McGill University, including Macdonald College, who are spending at least another year at the University. The qualifications are high academic standing and definite ability in writing. Preference will be given to students who intend to make journalism a career and have taken an active interest in student publications. It is restricted to Canadian citizens. Application should be made by letter to the Registrar on or before April 1st.

WOMEN ASSOCIATES OF MCGILL BURSARY. — A bursary of approximately $200 is available each year to men and women students in any faculty. Scholarship and need will determine the award. The winner will be chosen by the Executive of the Women Associates of McGill from a list of candidates recommended by the Scholarships Committee and selected from the applicants for University bursaries (see page 610).

MCGILL PHARMACY ALUMNI SOCIETY DR. WILLIAM H. HATCHER BURSARY.—This bursary of $100 has been established by the McGill Pharmacy Alumni Society in honour of Dr. William H. Hatcher. It is awarded by the University Scholarships Committee and is open to deserving students irrespective of race, colour or creed. Preference is given to First or Second year B.A. or B.Sc. degree students who intend to study pharmacy after graduation.

MCGILL NISEI CAMPUS CLUB BURSARY.—A bursary of $50 to $100 has been established by the McGill Nisei Campus Club and is awarded annually by the University Scholarships Committee to a Canadian man or woman student of Japanese origin who has completed at least one year in any degree course. The award will be made on the basis of academic standing, character and leadership ability, and financial need. The bursary will be awarded only if an adequate standard is attained (at least a good Second Class standing) and if funds are available.

JOSEPH LAWRENCE CAPLAN MEMORIAL BURSARY.—This bursary of $200 is awarded by the Principal on the recommendation of the University Scholarships Committee to a First year student in any faculty who may be thereby helped to obtain a university education.

MCGILL U. N. T. D. BURSARY.—This Bursary, endowed by the University Naval Training Division with an annual value of $40, is awarded by the University Scholarships Committee on the recommendation of the responsible Naval authorities to the U. N. T. D. rating who is considered to be the most deserving applicant. If in any year there is no applicant of high enough quality, the award is withheld.

CANADIAN LEGION BURSARY.—This bursary of $250 was established in 1953 by the Canadian Legion of the British Empire Services League, Ypres Branch No. 53, and is awarded annually by the University Scholarships Committee to a needy veteran student or to the son or daughter of a veteran in any faculty or year.

TEMPLE EMANU-EL SISTERHOOD BURSARY.—Established in 1946 in memory of the men who lost their lives in the war of 1939-45, this Bursary, with an annual value of $100, is open to men undergraduates in all faculties and is awarded by the University Scholarships Committee.

ROY M. WOLVIN MEMORIAL BURSARIES (see page 635).

STUART DUNN MEMORIAL SCHOLARSHIP—Founded by Major Charles Gwyllym Dunn of Quebec City in memory of his son, Sergeant (Wireless Air Gunner) Stuart Dunn, R.C.A.F., a student at McGill University who died on active service in July, 1941. The scholarship, value $125 per annum, is to be awarded annually to a male student of the Protestant Christian Faith whose home is outside the Island of Montreal. In making the award the Scholarships Committee takes into consideration: (a) the candidate's scholarship, character, personality, and quality of leadership, (b) his need of financial assistance, and (c) the general usefulness to the community of the special branch of study he proposes to follow.

JOSEPH ALFRED JACOBSON MEMORIAL SCHOLARSHIP.—This scholarship, of $200, was established by the late Mr. Percy N. Jacobson and Mrs. Jacobson in memory of their son, Flight-Sergeant Joseph Alfred Jacobson, of the Royal Canadian Air Force, who was killed in action on the 28th January, 1942. The scholarship is open to men and women in any faculty on equal terms. It is given to a student selected by the University Scholarships Committee on the grounds of his personality, academic strength, interest in university sports, and financial need.

CANADIAN ARMY UNIVERSITY COURSE MEMORIAL BURSARY.—This bursary has been established by the Canadian Army University Course Association of McGill University as a memorial to the three of their comrades, Richard F. Gyles, Robert J. Lockhart, and James C. Wheeler, who lost their lives in the World War, 1939-45. It is awarded by the University Scholarships Committee on the recommendation of the Association and preference is given to members of the McGill Canadian Army University Course and to other men who volunteered for active service, and their children.

PRIZES

CHESTER MACNAGHTEN PRIZES.—Two prizes, one of $50 and the other of $30, are offered annually in a competition for the best piece of creative writing in English submitted by an undergraduate student of the University. The work submitted may be a story, a play, a poem, an essay, etc. The material should be carefully selected and properly presented. The judges will not read untidy manuscripts or a large number of newspaper clippings. Compositions that have appeared in print are not ineligible provided they have been published since 1st March, 1959. No candidate may submit more than two entries. Compositions must be typed and must reach the Registrar before the 1st March, 1960. Entries that win prizes or honourable mention will be retained by the University and filed in the Redpath Library. The competition is restricted to those students who have not previously won the First Prize. Awards are made by the University Scholarships Committee.

J. M. RUTHERFORD MEMORIAL PRIZE.—This prize of the value of $100 is awarded for some original work or study undertaken by an undergraduate student of the University, on his own initiative, preferably outside the regular work for his or her degree. Candidates may be nominated by any member of the University staff or may apply in writing directly to the Registrar, submitting evidence of their qualifications. The competition is restricted to those students who have not previously won the Prize. Entries or nominations should be received by the Registrar not later than April 1st. The award is made by the University Scholarships Committee.

NEWCOMEN AWARD (see page 641).

NEIL STEWART PRIZE.—An annual prize of $50 in the Hebrew Language and Literature established by Mr. Neil Stewart of Vankleek Hill in 1878, is open to students in the University and in the affiliated Theological Colleges. It is awarded on the results of an annual examination open to students of the Faculty of Divinity of the University and of the Presbyterian College. The examination will be held in the third week in March on translation, grammar, and syntax (but not exegesis) of assigned passages of prose, prophecy, and poetry totalling about twenty-five chapters of the Hebrew Bible, together with Davidson's Hebrew grammar. Information concerning the biblical passages to be set for the examination each year may be obtained from the Registrar's Office, the Faculty of Divinity, or the Presbyterian College.

MCCHARLES PRIZE (see page 657).

SOCIETY OF CHEMICAL INDUSTRY PRIZES (see page 657).

LOAN FUNDS

Application for loans, unless otherwise stated should be made through Deans of Faculties or Directors of Schools.

UNIVERSITY LOAN FUND.—A Student Loan Fund has been established by the University to assist needy students in all Faculties. Loans are made normally only to students in upper years (see page 610), with good academic standing. Application should be made to the Student Aid Officer.

STUDENTS' SOCIETY LOAN FUND.—Established in 1956 by the Students' Society and open to students of all faculties in good academic standing without restriction as to race, nationality or creed. Primary consideration is financial need with secondary consideration given to the candidates' contributions to Students' Society activities. Application should be made to the Student Aid Officer.

UNIVERSITY LODGE LOAN FUND.—The University Lodge No. 84, Q.R., A.F. and A.M., has established a loan fund for Masons and the children of Masons in attendance at McGill University. Loans will not exceed the annual tuition fees. They are open to qualified students in all faculties and all years. Applications should be made to the Student Aid Officer. Need and academic merit will determine the awards.

ROTARY CLUB OF OTTAWA STUDENT LOAN FUND.—The Rotary Club of Ottawa has established a Student Loan Fund for Third and Fourth year students in any faculty who are residents of Carleton County, Ontario, and are attending universities throughout Canada. Annual loans will not exceed $250. Further information and application forms may be obtained from the Student Aid Officer.

ROYAL CANADIAN AIR FORCE BENEVOLENT FUND.—Students who served in the Royal Canadian Air Force are eligible for assistance from the R.C.A.F. Benevolent Fund. This Fund makes loans or outright gifts, depending on the special circumstances involved. For further particulars, students should apply to the Student Aid Officer.

MARTLET FOUNDATION LOAN FUND.—Established in 1954 by the Martlet Foundation for students with good academic standing and athletic ability who are in need of financial assistance. Applications should be made to the Director of Athletics, Physical Education and Recreation.

BERLINER STUDENT LOAN FUND.—Established in 1919 by the late Edgar M. Berliner to provide bursaries and student loans for students in the Department of Sociology and the School of Social Work. Applications should be made to the Director of the School of Social Work.

HERSCHORN LOAN FUND.—Established in 1951 by Mr. H. E. Herschorn for the purpose of making loans to students in the Third or subsequent year of any faculty who, because of lack of funds, would otherwise be unable to continue their studies. Applications should be made to the Student Counsellor.

HAROLD N. SEGALL LOAN FUND.—Established in 1957 by a donation from the Jerry Segalls to assist deserving students in any faculty without distinction as to sex, race or creed. Applications should be made to the Student Counsellor, Arts Building.

CANADIAN CLUB OF MONTREAL FIFTIETH ANNIVERSARY STUDENT AID FUND.—Established in November 1955 by the Canadian Club of Montreal to commemorate the Club's Fiftieth Anniversary. The purpose of this Fund is to foster patriotism by encouraging the study of the institutions, arts, literature, and resources of Canada, and the appreciation of matters of interest and concern to Canadians. Applications should be made to the Student Aid Officer.

J. K. PRATT MEMORIAL LOAN FUND.—Established in 1952 in memory of the late Janetta K. Pratt who was Cashier at McGill University from 1929 until her death in 1952. Open to students in all faculties.

MRS. M. DOROTHEA MILLAR LOAN FUND.—Established in 1956 by Mrs. M. Dorothea Millar to assist one or more students of either sex, graduate or undergraduate, to pursue studies or research at McGill. It is to be used, in the first instance, to assist Hungarian students while this need appears to be urgent. Applications should be made to the Student Aid Officer.

GREEK STUDENTS BURSARY AND LOAN FUND.—Established in 1952 by a group of Greek merchants to provide financial assistance for Greek students in attendance at McGill University. Applications should be made to the Student Counsellor.

COMMERCIAL SOCIETY LOAN FUND.—For students in Commerce (see page 649).

MORTON J. WHITE LOAN FUND.—For students in the School of Commerce (see page 649).

GEORGE HENRY FROST FUND.—For students in Engineering (see page 660).

KELLOGG FOUNDATION LOAN FUND.—For students in Medicine, Dentistry, and the School for Graduate Nurses (see pages 666, 669 and 716).

BOSWELL JAMES LOAN FUND.—For students in Medicine (see page 666).

WESTON FAY VOLBERG JR. MEMORIAL LOAN FUND.—For students in Medicine (see page 667).

GERTRUDE MUDGE MEMORIAL STUDENT AID FUND.—For students in Medicine (see page 667).

BENNETT EDUCATIONAL FUND.—For students in Engineering (see page 661).

WADDELL LOAN FUND.—For students in Engineering (see page 660).

ISABELLA MCLENNAN BURSARY AND LOAN FUND.—For students in Architecture (see page 661).

MONTREAL WOMEN'S AUXILIARY OF THE CANADIAN INSTITUTE OF MINING AND METALLURGY LOAN FUND.—For students in Engineering (see page 660).

CANADIAN INSTITUTE OF MINING AND METALLURGY MONTREAL BRANCH LOAN FUND.—For students in Engineering (see page 660).

WICKENDEN LOAN FUND.—For students in Engineering (see page 661).

SCIENCE '25 MEMORIAL LOAN FUND.—For undergraduate students in Engineering (see page 661).

PI BETA PHI LOAN FUND.—For students in Social Work (see page 718).

SOCIAL WORK ALUMNI LOAN FUND.—For students in Social Work (see page 718).

SOUTHAM STUDENT LOAN FUND.—For students in Social Work (see page 718).

GLADYS GLASSCO MEMORIAL LOAN FUND.—For students in Music (see page 673).

A. FLEMING LOAN FUND.—For students in Law (see page 672).

W. R. AIRD LOAN FUND.—For students in Dentistry (see page 669).

COLLEGE OF DENTAL SURGEONS OF QUEBEC LOAN FUND.—For students in Dentistry (see page 669).

GRADUATE STUDENTS' LOAN FUND.—For students in the Faculty of Graduate Studies and Research (see page 714).

MACDONALD COLLEGE STUDENTS LOAN FUND.—For students in Agriculture (see page 679).

STUDENT TEACHERS' SOCIETY LOAN FUND.—For students in the Institute of Education (see page 687).

ST. GEORGE'S LODGE NO. 10 A.F. & A.M. LOAN FUND.—For students in the Institute of Education (see page 687).

ROYAL VICTORIA COLLEGE RESIDENTS' LOAN FUND.—For resident students of the Royal Victoria College (see page 646).

B. OPEN TO STUDENTS IN THE FACULTY OF ARTS AND SCIENCE

For details of Entrance Scholarships see page 610.

For scholarships open to women only see page 643.

For Scholarships, Bursaries, and Loan Funds open to undergraduates in all Faculties see page 622.

For details of awards restricted to students in the School of Commerce see page 647.

For awards open to Graduate Students see page 694.

GENERAL REGULATIONS IN ARTS AND SCIENCE

1. No applications are required. The awards are made by the Arts and Science Scholarships Committee on the basis of examination standings.

2. Unless restricted by the deed of gift or faculty regulations the awards are open to all students studying for the B.A., B.Sc., B.Com., B.Ed., or B.Ed.(P.E.) degrees.

3. Only students in regular undergraduate standing are eligible for scholarships.

4. Scholarships will be awarded only if an adequate standard is attained.

5. If in any college year there is not a sufficient number of candidates showing adequate merit, any one or more of the scholarships offered for competition may be given to more deserving candidates in another year.

6. In order to retain his scholarship a successful candidate must proceed regularly with his college course to the satisfaction of the Faculty.

7. The annual income of the scholarships will be paid in two instalments, viz.:—One in October and one in January.

SECOND YEAR SCHOLARSHIPS

GROUP I

FACULTY SCHOLARSHIPS.—Six scholarships of $100 each are offered to students advancing from the First to the Second year for proficiency in their subjects of study. The awards will be made on the basis of the students' complete academic records and on recommendations from the departments in which they have taken their courses.

GROUP II

The following scholarships are also offered, according to the terms indicated, to students advancing from the First to the Second year.

JANE REDPATH EXHIBITION.—Founded by the late Mrs. Redpath, for the maintenance of an exhibition in Arts and Science. It is restricted to men and is awarded on the result of the sessional examinations of the First year to the man who makes the highest average on the year's work. Value $100.

MARGARET JANE ALLAN SCHOLARSHIP.—This scholarship, of $200, was established in 1929 by a bequest to the Royal Victoria College from Mrs. Agnes W. Allan. It is awarded each year to the woman student in either the B.A. or the B.Sc. courses in Arts and Science who obtains the highest standing in the sessional examinations of the First year.

CHARLES ALEXANDER SCHOLARSHIP.—Established in 1870 by Charles Alexander, "for the encouragement of the study of Classics and other subjects." Value $100.

BARBARA SCOTT SCHOLARSHIP.—Founded by the will of the late Barbara Scott to form an annual scholarship for the student "excelling in Classics in the First Year." Value $100.

ALEXANDER ADILMAN SCHOLARSHIP.—Established in 1957 under the will of the late Alexander Adilman, this scholarship of $300 is awarded to a student of merit who has completed the First year in the Faculty of Arts and Science. This scholarship is offered for a period of five years only beginning with the 1957-58 session.

SCHOLARSHIPS TENABLE IN THE SECOND, THIRD, OR FOURTH YEARS

GROUP III

UNIVERSITY SCHOLARSHIPS.—(see page 622).

SIR WILLIAM MACDONALD SCHOLARSHIPS.—Six scholarships of $150 each are open to men students in the Second, Third, and Fourth years.

†SIR WILLIAM DAWSON SCHOLARSHIP.—Given by the New York Graduates' Society; value $60. Open also to students in Engineering.

PETERSON MEMORIAL SCHOLARSHIPS IN CLASSICS.—Founded in memory of Sir William Peterson, Principal of McGill University from 1895 to 1918, by his son, W. G. Peterson, M.A. Two scholarships of $250 each are open to students in any year.

†*Not to be awarded until further notice.*

DR. BARCLAY SCHOLARSHIP.—Awarded in the Classics Department, value $60.

REFORD SCHOLARSHIP.—The interest on this fund, amounting to about $200 per annum, will be equally divided each year and placed at the disposal of the Departments of English and Philosophy.

HOUSTON SCHOLARSHIP.—Founded by the will of Thomas Houston, to establish a scholarship for French students studying for the ministry of the Presbyterian Church or the United Church of Canada. It is open only to undergraduates in the Faculty of Arts and Science and the Faculty of Divinity under the above restriction and is awarded by the University Scholarships Committee on the result of the sessional examinations without regard to year. The value is $125.

MAJOR HIRAM MILLS SCHOLARSHIP.—This scholarship, of the value of $50, is open to students in any of the biological sciences including Anatomy, Bacteriology, Biochemistry, Botany, Genetics, Physiology, and Zoology. It is open to both men and women.

PENHALLOW SCHOLARSHIP IN BOTANY.—This scholarship of $100 is open to men and women entering the Second, Third, or Fourth year of the undergraduate course. The award is made by the Faculty of Arts and Science on the recommendation of the Department of Botany.

LOGAN SCHOLARSHIPS.—Two scholarships of $100 each, one in the Department of Geological Sciences and the other in the Departments of Botany and Zoology, are open to men and women entering the Second, Third, or Fourth year of the undergraduate course. The awards are made by the Faculty of Arts and Science on the recommendation of the Department of Geological Sciences in the one case and on the joint recommendation of the Departments of Botany and Zoology in the other case.

R. P. D. GRAHAM SCHOLARSHIPS.—Scholarships provided from the income on a fund endowed by former students of Dr. R. P. D. Graham, Professor Emeritus of Mineralogy, are available to students entering the Second, Third, or Fourth year of the B.Sc. course and to students entering the Third, Fourth, or Fifth year of the Mining Engineering course. The awards are made by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Chairman of the Department of Geological Sciences.

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES.—Two scholarships of $375 each are given by Mrs. Roy M. Wolvin in memory of her husband. One scholarship is restricted to men undergraduates in the Faculty of Engineering and one is restricted to women undergraduates in the Faculty of Arts and Science. These two awards are made by the Faculty Scholarships Committees on the basis of the results of the sessional examinations.

The bursaries are open to students in any undergraduate faculty who have a good academic record and need financial assistance. Application should be made to the Student Aid Officer.

MCGILL ALUMNAE SCHOLARSHIPS (see page 645).

MAURICE GOLDENBERG MEMORIAL SCHOLARSHIP.—This scholarship of $100 in Government, Constitutional Law, or Public Administration has been established by Mr. H. Carl Goldenberg in memory of his father, the late Maurice Goldenberg. It is awarded annually by the University Scholarships Committee to the best candidate amongst those nominated by the Faculty of Arts and Science and the Faculty of Law. The scholarship is open to both men and women with no restriction as to race, creed, or colour.

ALUMINUM COMPANY OF CANADA SCHOLARSHIPS (see page 652).

WILLIAM HENRY HOWARD SCHOLARSHIPS (see page 652).

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS (see page 616).

PRESBYTERIAN COLLEGE SCHOLARSHIPS.—The Board of Management of the Presbyterian College offers a number of scholarships for the payment of fees of undergraduates in Arts and Science who are registered at the Presbyterian College as in training for the study of theology with a view to the Ministry and who have creditably passed the sessional examinations.

THIRD YEAR SCHOLARSHIPS

GROUP IV

FACULTY SCHOLARSHIPS.—Eight scholarships of $100 each are offered to students advancing from the Second to the Third year in both the General Course and the Honours Courses, on the basis of academic record and recommendations from departments.

GROUP V

The following scholarships are also offered, according to the terms indicated, to students advancing from the Second to the Third year.

ROBERT BRUCE SCHOLARSHIP.—From a fund, created by the will of the late Robert Bruce, of Quebec City, one scholarship of the annual value of $75, tenable for two years, will be awarded for high standing in the examinations at the end of the Second year.

ALEXANDER MACKENZIE SCHOLARSHIP.—One scholarship of the value of $250 is awarded annually on the results of the honours examinations of the Second year in Political Science and is open only to a student who has completed the work of that year. Tenure of the scholarship is conditional upon the holder's taking the honours work in Political Science of the Third year (see also Group VI).

HANNAH WILLARD LYMAN MEMORIAL SCHOLARSHIP.—This scholarship of $100 is awarded annually to a woman student of the Third or Fourth year.

DELTA PHI EPSILON SORORITY BURSARY.—This bursary, founded by the Delta Phi Epsilon Sorority in memory of Edith Silver, is of the value of $100 and is open to a deserving woman student entering the Third year of the Faculty. It is awarded by the University Scholarships Committee.

KNIGHTS OF PYTHIAS SCHOLARSHIP.—This scholarship, of $300, is awarded annually to a student in the Social Sciences. It is open on equal terms to men and women. The winner must be a resident of the Island of Montreal, and entering the Third year of the B.A. course. The award may be renewed for a further year if the holder proves to be worthy of such recognition.

DOW-HICKSON SCHOLARSHIPS.—These scholarships were established in 1957 by a bequest from the late Dr. J. William A. Hickson and are awarded to students in the Third or Fourth year who are reading Honours in English Literature, Philosophy, or Psychology. The annual value of these scholarships is not less than $1,000 each.

For other Third year scholarships see also Group III.

FOURTH YEAR SCHOLARSHIPS

GROUP VI

GREENBLATT SCHOLARSHIP.—From the funds left under the will of the late Mrs. Greenblatt, one scholarship of $175 shall be awarded annually in the Faculty of Arts and Science to a student proceeding from the Third to the Fourth year, preference to be given to a student in Modern Languages (other than English) or in History. A committee selected from the Departments of History, German, and Romance Languages will be asked to make a recommendation for this award.

ALEXANDER MACKENZIE SCHOLARSHIP.—One scholarship of the value $250, is awarded annually on the results of the Honours examinations of the Third year in Political Science and is open only to a student who has completed the work of that year. Tenure of the scholarship is conditional upon the holder's taking the Honours work in Political Science of the Fourth year (see also Group V).

PRINCE OF WALES SCHOLARSHIP.—This scholarship of $200 is open annually to students proceeding from the Third into the Fourth year. The award is made for general distinction by the Faculty of Arts and Science on the basis of the students' complete academic records and on the recommendations from the departments in which they have taken their courses.

ANGUS MCCOY SMITH SCHOLARSHIP.—This scholarship of $150, founded by Mr. and Mrs. Allan L. Smith in memory of their son, Angus McCoy Smith, a graduate of the University, who was killed in the Second World War, is awarded annually to a Protestant male student of the Faculty of Arts and Science who is entering the Fourth year. The award is based on academic record, character, financial need, and general promise.

JAMES DARLING MCCALL SCHOLARSHIP.—This scholarship was founded by J. T. McCall, Esq., in memory of his son, James D. McCall, B.Sc., who was drowned shortly after the war of 1914-18, in which he served with distinction. This scholarship is awarded each year to a male student of the Fourth year professing the Christian religion, who is taking Honours in English or in Philosophy or in both these subjects. It is of the value of $300.

SHAKESPEARE SCHOLARSHIP.—This scholarship, of the value of $100, is awarded annually to a student advancing to the Fourth year who has shown special distinction in English Honours courses. The award is made by the Faculty of Arts and Science on the recommendation of the Department of English.

CHARLES WILLIAM SNYDER MEMORIAL SCHOLARSHIPS.—Two scholarships of $200 each, founded by the late L. P. Snyder, Esq., in memory of his son, Charles William Snyder, a student of First year Arts who was killed in the Battle of Sanctuary Wood on June 2nd, 1916, are awarded annually on the results of the sessional examinations. One scholarship will be awarded on the recommendation of the Department of English to a student entering the Fourth year and taking full Honours in English. and the other will be awarded to a student entering the Fourth year and taking Honours in English and another subject. This second award will be made on the recommendation of the Department of English and the other Department concerned in the student's combined Honours programme. These scholarships are open to male students in the Faculty of Arts and Science professing the Christian religion

DOW-HICKSON SCHOLARSHIPS (see page 637).

CANADIAN ASSOCIATION OF TEXTILE COLOURISTS AND CHEMISTS (QUEBEC SECTION) SCHOLARSHIP.—A scholarship of $300 awarded to the student entering the Fourth year who has obtained the highest aggregate standing in the Third year Honours Chemistry course. The award is made by the Scholarships Committee of the Faculty of Arts and Science upon

the recommendation of the Department of Chemistry without restriction as to colour, race, sex or creed, or any consideration given to financial need.

ANNE MOLSON SCHOLARSHIP.—This scholarship of $125 is open only to men and women students in the Physical Sciences proceeding from the Third into the Fourth year. The award is made by the Faculty of Arts and Science on the recommendation of the Departments of Physics, Chemistry, and Mathematics.

MOBIL OIL OF CANADA, LTD. SCHOLARSHIP IN GEOPHYSICS.—This scholarship of $400 in Geophysics or Geology in conjunction with Physics is open to students entering the final year of the Faculty of Arts and Science. It is awarded by the Scholarships Committee of the Faculty of Arts and Science upon the recommendation of the Chairman of the Department of Geological Sciences on the basis of good character, academic standing, ability to cooperate with associates, breadth of interest, initiative, and willingness to assume responsibility.

CALIFORNIA STANDARD COMPANY GEOLOGICAL SCHOLARSHIP.—This scholarship of $400 is awarded annually by the Scholarships Committee of the Faculty of Arts and Science to an outstanding student as an aid to completion of his final year in Geology or Geology and Physics. Preference is given to students showing interest in oil exploration and production.

ROYAL CANADIAN INSTITUTE SCHOLARSHIP.—An undergraduate scholarship of $500 is offered annually by the Royal Canadian Institute. It is intended as an aid in the discovery and development of the young men and women who will become the future workers in science. The scholarship is open to men and women on equal terms and is tenable at any Canadian University at which the candidate is enrolled. Applications will be considered from students in their Third undergraduate year who are enrolled in one of the following courses: Botany, Zoology, Chemistry, Physics, or Geological Sciences. The holder of the award must be qualified to enrol in the final year of his course of studies at the university in which he is enrolled at the time of application. A candidate must not have passed the twenty-first anniversary of his birth on March 31st of the year of application. Application forms may be obtained from the Royal Canadian Institute, 191 College Street, Toronto 2B, Ontario, and must be submitted to the Institute by March 15th of the year of the award.

For other Fourth year scholarships see Group III and Group V.

MEDALS IN ARTS AND SCIENCE

The following medals are awarded to the graduating students who stand highest in the First Class Honours List of the subjects named, provided the Faculty so recommends to Senate:

The Henry Chapman Gold Medal, for Classical Languages and Literature.

The Prince of Wales Gold Medal, for Mental and Moral Philosophy.

The Anne Molson Gold Medal, for Mathematics and Natural Philosophy.

The Shakespeare Gold Medal, for English Language and Literature.

The Logan Gold Medal, for Geology, Mineralogy, and Palaeontology.

The Major Hiram Mills Gold Medal, for Biology.

The Governor-General's Gold Medal, for Modern Languages and Literature.

The Governor-General's Silver Medal awarded to the student standing highest among those graduating "with great distinction" in the general course.

The Lieutenant-Governor's Gold Medal awarded to the student who stands second among those graduating "with great distinction" in the general course.

The Lieutenant-Governor's Gold Medal awarded to the student standing highest among those graduating with great distinction in the B.Ed. course.

The Allen Oliver Gold Medal, for Economics and Political Science (founded by Mrs. Frank Oliver, in memory of her son, the late Allen Oliver, B.A., M.C., Lieutenant, 26th Battery, C.F.A., who was killed in action at the Somme, on November 18th, 1916).

The Lieutenant-Governor's Gold Medal, for History.

The French Government's Bronze Medal for excellence in French in the general or Honours course.

In addition to the above, certain medals are offered annually by the Alliance Française, at the discretion of the Department of Romance Languages.

If there is no candidate for any medal, or if none of the candidates fulfils the required conditions, the medal is withheld, and the proceeds of its endowment for the year may be devoted to prizes in the subject for which it was intended.

PRIZES IN ARTS AND SCIENCE

ANNIE MACINTOSH PRIZE.—The endowment of this prize was contributed by friends and pupils of the late Miss Annie Macintosh and by a special gift of the late Miss I. G. Macintosh. The present value of the prize is $60. It is offered as a prize or prizes to students of the Royal Victoria College in such subject or for such work as the Faculty may determine.

PENHALLOW PRIZE IN BOTANY.—An annual prize of $25, endowed by the Arts Undergraduate Society in 1911, is awarded to the graduating student whose complete record shows the highest first class standing in Botany. At least 4 full courses in the subject must have been taken, and Honours students will receive preference.

HENRY CHAPMAN PRIZE.—A book prize of the value of $25 is given in modern languages (excluding English), or in Hebrew.

CHESTER MACNAGHTEN PRIZES (see page 629).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 629).

NEWCOMEN AWARD.—The Newcomen Society in North America offers a prize of $100 known as the Newcomen Award to be awarded to the student at McGill University who submits an outstanding paper on some facet of Industrial History. Entries must be submitted to the Chairman of the Department of Economics and Political Science on or before April 1st.

CHERRY PRIZES.—Two prizes in books of $50 and $30 each, founded by Wilbur H. Cherry, Arts 1907, and Anna Cherry, Arts 1918, in memory of their father, William Cherry, Med. 1869, and of their brother, William McFie Cherry, Arts 1911, are awarded annually by the Department of Economics and Political Science to students who are, in the opinion of the Department, deserving of such recognition.

PETERSON MEMORIAL PRIZE IN LITERATURE.—This prize, value $50, founded by W. G. Peterson, M.A., in memory of his father, Sir William Peterson, Principal of McGill University from 1895-1918, is awarded to the undergraduate, or graduate, student who in addition to having achieved distinction in English Literature has given evidence of creative literary ability.

DORA FORSYTH PRIZE.—An annual prize of $50 bequeathed by the late Miss Jeanie Forsyth for English Literature. This prize is open to women students only and is awarded to a candidate recommended by the Department of English Language and Literature and approved by the Faculty of Arts and Science.

FANTHAM MEMORIAL PRIZE IN ZOOLOGY.—This prize of $50, endowed by Dr. Annie Fantham in memory of her husband, Professor H. B. Fantham, late Strathcona Professor of Zoology and Head of the Department, is awarded annually to the graduating student who has taken the full honours course in Zoology and who ranks highest of those obtaining first class honours in this subject. The prize is open to men and women.

MADELENE HODGSON PRIZE IN HISTORY.—An annual prize of $15 endowed by the Imperial Order Daughers of the Empire in recognition of the work done by the late Mrs. W. C. Hodgson as President of the Provincial Chapter of Quebec. The prize is awarded to the Third year Honours student in History who in the opinion of the Department of History has done the most outstanding work in this subject.

HISTORICAL SOCIETY'S PRIZE.—This prize is endowed by a fund belonging to the Historical Society. The award is made jointly by the Executive of the Historical Society and the Chairman of the Department of History to the male undergraduate in the First year who has shown the greatest promise in History and intends to read for Honours in this subject, and is awarded in books.

ANNE MOLSON PRIZE IN CHEMISTRY.—A prize of $100 awarded annually to the student with the highest record among those graduating with First Class Honours in Chemistry.

DR. WILLIAM H. HATCHER PRIZE.—A prize of $25 has been established by the Department of Chemistry and is awarded annually to the student attaining highest standing in the course in Elementary Organic Chemistry in which Dr. Hatcher lectured for so many years.

LOGAN PRIZES IN BOTANY AND ZOOLOGY.—A sum of $50 is awarded annually as a prize or prizes in the Department of Botany and Zoology for original summer collections. Candidates should consult these Departments concerning the collections to be made.

PRIZE OF THE AMBASSADOR OF SWITZERLAND IN CANADA FOR FRENCH.—A prize in books for excellence in the Third year in French Language and Literature.

PRIZE OF THE AMBASSADOR OF SWITZERLAND IN CANADA FOR GERMAN.—A prize in books for excellence in German is awarded by the Faculty of Arts and Science on the recommendation of the Department of German to an undergraduate student whose mother tongue is not German.

GERMAN EMBASSY PRIZE.—A prize in books for excellence in German.

MARION MCCALL DALY PRIZE.—A prize of $125 awarded each year to a woman student who has completed the Second year and is entering the Third year of the Faculty of Arts and Science or the Faculty of Engineering (including Architecture) at the University. The award is made by the University Scholarships Committee in consultation with the President of the McGill Women's Union and another senior woman student chosen by the Committee. In making the award the Committee takes into account (a) the candidate's promise of making a definite contribution to Canadian life, (b) the financial need of the candidate, and (c) the academic record of the candidate.

WOMEN'S PERSONNEL GROUP OF MONTREAL BOOK PRIZE.—A book prize of $20 is awarded to the woman student in the Faculty of Arts and Science obtaining the highest First Class standing in the Third year course in Industrial Relations. The winner is to choose her own books which will then be purchased by the Personnel Group.

BORIS MUSKATOV PRIZE IN PSYCHOLOGY.—An annual prize of $20 in books has been endowed by Miss Serafima Muskatov in memory of her brother, Boris Muskatov, who died on January 9th, 1948, while a student-veteran at Dawson College. This prize is offered to a student who has completed the Third year in the Faculty of Arts and Science and has done the best work in the subject of Psychology. The award is made by the Faculty of Arts and Science on the recommendation of the Department of Psychology after the Third year examination results are known.

PROVINCE OF QUEBEC PSYCHOLOGICAL ASSOCIATION PRIZE.—A prize of $10 offered annually by the Association to a student in the final year. It is awarded on the recommendation of the Department of Psychology to the student who has, in their opinion, done the most distinguished work in Psychology throughout the course.

SOCIETY OF CHEMICAL INDUSTRY PRIZES.—See page 657.

LOAN FUNDS.—See page 630.

For awards open to graduates see page 694.

C. OPEN TO ROYAL VICTORIA COLLEGE STUDENTS

ENTRANCE SCHOLARSHIPS

NATIONAL SCHOLARSHIPS.—See page 611.

J. W. MCCONNELL MEMORIAL SCHOLARSHIPS.—See page 612.

J. W. MCCONNELL SCHOLARSHIPS IN SCIENCE AND ENGINEERING.—See page 612.

DAVID WOLFSON SCHOLARSHIPS.—See page 611.

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS.—See page 612.

GENERAL MOTORS SCHOLARSHIPS.—See page 613.

UNIVERSITY ENTRANCE SCHOLARSHIPS—See page 611.

MARGARET WILSON SCHOLARSHIPS.—See page 614.

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS.—See page 616.

GEORGE J. MCMANUS MEMORIAL SCHOLARSHIPS.—See page 622.

HON. ROBERT JONES BURSARY.—See page 614.

ROBERT BRUCE SCHOLARSHIP AND BURSARY.—See page 615.

OTTAWA VALLEY GRADUATES' SOCIETY BURSARY.—See page 615.

DUNCAN MCCASKILL SCHOLARSHIP.—See page 620.

SEBA ABBOTT SMITH MEMORIAL SCHOLARSHIP.—See page 615.

CANADIAN PACIFIC RAILWAY SCHOLARSHIPS.—See page 615.

FRANK P. JONES SCHOLARSHIPS.—See page 617.

SCHOLARSHIP GRANTED BY THE GRADUATES' SOCIETY OF THE DISTRICT OF BEDFORD.—See page 619.

NARCISSA FARRAND SCHOLARSHIP.—See page 619.

GRACE FAIRLEY TRAFALGAR SCHOLARSHIP.—See page 619.

ISABELLA C. MACRAE SCHOLARSHIP.—See page 619.

CHRISTIE-STORER SCHOLARSHIP.—See page 620.

SIDNEY J. HODGSON SCHOLARSHIPS.—See page 618.

QUEEN ESTHER CHAPTER NO. 30 ORDER OF THE EASTERN STAR BURSARY.—See page 618.

ADDITIONAL SCHOLARSHIPS AND BURSARIES

For a statement of the scholarships, bursaries, and loan funds open to women students of the University, see pages 622-643.

WOMEN'S UNION SCHOLARSHIP.—This scholarship of the value of $275 to $350 is awarded annually by the University Scholarships Committee in consultation with the President of the McGill Women's Union, another senior women, and the Warden of the Royal Victoria College, to a woman undergraduate in any degree course, who has completed at least a year's study on this campus. The award is made to a student with a good second class average, an interest in extra-curricular activities, and financial need. No distinction is made as to nationality, race or creed.

ALPHA OMICRON PI BURSARY.—A Bursary of $50 is given by the Alpha Omicron Pi Mothers' Club for a woman student, resident in Royal Victoria College or non-resident. The award is made on the recommendation of the Warden of the Royal Victoria College to a candidate with good academic standing and financial need.

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES (see page 635).

FROTHINGHAM BURSARIES (see page 626).

SIGMA DELTA TAU SORORITY BURSARY (see page 626).

MONTREAL BRANCH, CANADIAN WOMEN'S PRESS CLUB SCHOLARSHIP (see page 627).

SPECIAL AWARDS ADMINISTERED BY A COMMITTEE OF THE ALUMNAE SOCIETY

MCGILL ALUMNAE SCHOLARSHIPS

The following scholarships have been established by the McGill Alumnae Society and are awarded annually by the Faculty of Arts and Science on the results of the sessional examinations to distinguished women students of the Second, Third, or Fourth year of the Faculty of Arts and Science:

ETHEL HURLBATT SCHOLARSHIP.—Established in memory of the late Miss Ethel Hurlbatt, a former Warden of the Royal Victoria College.

SUSAN CAMERON VAUGHAN SCHOLARSHIP.—Established in honour of Mrs. Walter Vaughan, retired Warden of the Royal Victoria College.

CARRIE DERICK SCHOLARSHIP.—Established in honour of the late Professor Carrie M. Derick, B.A. 1890, M.A. 1890, first woman professor at McGill.

GEORGINA HUNTER SCHOLARSHIP.—Established in memory of the late Georgina Hunter, a member of the first graduating class of women at McGill University, the first President of the Alumnae Society, and a former Principal of the High School for Girls, Montreal.

CATHERINE I. MACKENZIE SCHOLARSHIP.—Established in memory of the late Miss Catherine I. Mackenzie, B.A. 1904, former Principal of the High School for Girls, Montreal.

HELEN R. Y. REID SCHOLARSHIP.—Made possible by a legacy from the estate of the late Dr. Helen R. Y. Reid, B.A. 1889, LL.D. 1921, and awarded by the University Scholarships Committee to a distinguished woman student in faculties other than Arts and Science.

Each scholarship has a maximum value of $300 and a minimum value of $100.

The winners are interviewed by the Alumnae Scholarship Committee and the value of each award will be determined by them. Financial need will in no case affect the decision as to the winner of a scholarship but will influence the amount of the award.

ROYAL VICTORIA COLLEGE RESIDENTS' LOAN FUND.—Established in 1932 to assist resident students of the Royal Victoria College. Applications should be made to the Warden.

OTHER LOAN FUNDS.—(see page 630).

ALUMNAE SOCIETY BURSARIES—In addition to the above, a limited number of bursaries are offered by the Alumnae Society through its Scholarship Committee.

GLADYS MURRAY BURSARY.—Established by the Alumnae Society in memory of the late Mrs. Gladys Murray, for thirty-five years Secretary to the Warden of the Royal Victoria College.

GENERAL PRIZES

MARION MCCALL DALY PRIZE.—A prize of $125 awarded each year to a woman student who has completed the Second year and is entering the Third year of the Faculty of Arts and Science or the Faculty of Engineering (including Architecture) at the University. The award is made by the University Scholarships Committee in consultation with the President of the McGill Women's Union and another senior woman student chosen by the Committee. In making the award the Committee takes into account (a) the candidate's promise of making a definite contribution to Canadian life, (b) the financial need of the candidate, and (c) the academic record of the candidate.

EDMUND HENRY BOTTERELL PRIZE.—This prize of $160 was established by a legacy from the late Mrs. Florence A. Redpath. Under the terms of endowment, it is to be known as the "Edmund Henry Botterell Prize" and is to be awarded on the recommendation of the Warden to a First year student registered in the Royal Victoria College. For the present the award will be made to a student whose academic interests and record combined with personal qualities indicate marked promise.

PRIZES IN ARTS AND SCIENCE

ANNIE MACINTOSH PRIZE.—The endowment of this prize was contributed by friends and pupils of the late Miss Annie Macintosh and by a special gift of the late Miss I. G. Macintosh. The present value of the prize is $60. It is offered as a prize or prizes to students of the Royal Victoria College in such subject or for such work as the Faculty may determine.

DORA FORSYTH PRIZE.—An annual prize of $50 bequeathed by the late Miss Jeanie Forsyth for English Literature. This prize is open to women students only and is awarded to a candidate recommended by the Department of English Language and Literature and approved by the Faculty of Arts and Science.

WOMEN'S PERSONNEL GROUP OF MONTREAL BOOK PRIZE (see page 643).

See also list of prizes in Arts, Science, Commerce, Architecture, and in all Faculties.

D. OPEN TO STUDENTS IN THE SCHOOL OF COMMERCE

For details of Entrance Scholarships see page 610.

For scholarships and bursaries open to undergraduates in all Faculties, see page 622.

SCHOLARSHIPS, BURSARIES, AND PRIZES

PRICE WATERHOUSE & CO. SCHOLARSHIP.—A scholarship of $250, the gift of Price Waterhouse & Co., is awarded annually by a committee consisting of the Principal and Vice-Chancellor, the Director of the School of Commerce, and the Professor of Accounting, to a student in the School of Commerce who is completing his Third year and is proceeding to his final year and plans to continue his studies with a practising firm of chartered accountants. The award will be made to a student with high standing in the Third year examinations whose academic record, ability, and other qualifications are considered to be outstanding. Commerce students in the Third year who wish to be considered should make application to the Director of the School not later than April 15th.

ISAAC BRUCK MEMORIAL SCHOLARSHIPS.—The Bruck Silk Mills presents $500 annually to the University to provide two scholarships in the School of Commerce. The scholarships may be held by the students in the Second, Third, or Fourth year of the School, and are awarded annually without respect to race or sex by the Scholarships Committee of the Faculty of Arts and Science upon the results of the sessional examinations of the School.

LADDIE MILLEN MEMORIAL SCHOLARSHIP.—A scholarship to the value of $250 has been established by Mr. J. Ernest Millen in memory of his son, Laddie Millen, who was killed in action in the first World War. This prize of $250 will be awarded to the student in any year in Commerce who presents the most satisfactory essay on a topic in the field of Industrial

Relations. Students wishing to compete should submit their essays to the Director of the School of Commerce or to the Director of the Industrial Relations Centre on or before April 1st, 1960. The topic for the 1959-60 contest is "The Basis of Industrial Peace."

MONTREAL STOCK EXCHANGE AND CANADIAN STOCK EXCHANGE PRIZE IN ECONOMICS AND FINANCE.—This prize of $100 is offered for an essay written by a student in the final year of the School of Commerce who is enrolled in the Corporation Finance course. The subject of the essay is chosen annually by the Department of Economics in consultation with the Director of the School of Commerce. An award will only be made if the best essay is considered to be First Class. Final selection will be made by a committee consisting of the course lecturer, the Chairman of the Department of Economics, and the Director of the School of Commerce. Further information may be obtained from the course lecturer.

CHARLES S. C. WISDOM BURSARY.—This bursary of $100 was established in 1956 by Mrs. Stuart Albert Wisdom in memory of her late son, Charles S. C. Wisdom who was a graduate of the Royal Military College at Kingston, and of the School of Commerce, McGill University. It is awarded by the University Scholarships Committee in consultation with the Director of the School of Commerce to a deserving student in any of the last three years of the Commerce course. Application should be made to the Student Aid Officer.

SYDNEY S. PAPPELBAUM BURSARY.—A bursary of $100 in memory of the late Captain Sydney S. Pappelbaum, B.Com., 1952, is open to students in Commerce who have completed Second year and are entering Third year, with no restriction as to race, creed, or colour. It is awarded by the University Scholarships Committee. Students who wish to be considered should make application to the Student Aid Officer.

F. W. SHARP PRIZE IN ACCOUNTANCY AND MATHEMATICS.—This prize of $50 will be awarded at the end of the Fourth year to the best student in Accountancy, Business Organization, and Mathematics.

CLARKSON GORDON PRIZE.—A prize of $50 to be awarded at the end of the Fourth year to the student who obtains the highest standing in Accounting and Auditing.

JOSEPH H. JACOBS PRIZE.—The sum of $650 was received from the executors of the estate of the late Joseph H. Jacobs. The annual revenue from this bequest, which is approximately $25, will be awarded as a prize for Second year Accountancy.

PROFESSOR R. R. THOMPSON MEMORIAL PRIZE.—Established in honour of the late Professor R. R. Thompson by the Class of Commerce 1925, this Prize of $50 is awarded annually to the Third year student in Commerce

with the highest standing in examinations in Accounting and Auditing. It is awarded by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Director of the School of Commerce.

CHESTER MACNAGHTEN PRIZES (see page 629).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 629).

MEDALS

SIR EDWARD BEATTY MEMORIAL MEDAL.—A gold medal endowed by the late Sir Edward Beatty, former Chancellor of the University, is awarded to the student in the School of Commerce who attains the highest distinction in Economics. At present, it is awarded on the basis of the aggregate marks for the three full year courses, Principles of Economics (or Honours alternatives), Money and Banking, and Economic Analysis (or Honours alternatives).

LIEUTENANT-GOVERNOR'S MEDALS.—A gold medal and a silver medal have been offered to the School of Commerce by His Honour the Lieutenant-Governor of the Province of Quebec, the gold medal for the student with the highest average throughout the last three years of study; the silver medal for the one who has the second highest average throughout the last three years of study.

LOAN FUNDS

COMMERCIAL SOCIETY LOAN FUND.—A fund has been established by the Commercial Society to be known as "The Commercial Society Loan Fund," for the purpose of aiding each year one or more students of the School of Commerce who are entering their Fourth year, to complete their course. Loans from this Fund are repayable within two years after graduation. Application should be made to the Director of the School of Commerce.

MORTON J. WHITE LOAN FUND.—Established in 1957 by a bequest from the late Morton J. White, to assist deserving students of the School of Commerce. Applications should be made to the Student Aid Officer.

OTHER LOAN FUNDS (see page 630).

E. OPEN TO STUDENTS IN THE FACULTY OF ENGINEERING
(Including Architecture)

For scholarships and bursaries open to undergraduates in all Faculties *see page 622*.

GENERAL REGULATIONS IN ENGINEERING

1. Only students in regular undergraduate standing are eligible for scholarships.

2. Scholarships will be awarded only if an adequate standard is attained.

ENTRANCE SCHOLARSHIPS

WORKMAN STUDENTSHIP.—The University accepts one nomination each year for a full course in Mechanical Engineering from the executors of the estate of the late Thomas Workman, provided the student nominated

(1) is a resident of Quebec,

(2) has obtained in the examinations qualifying for admission to the University the standard required by the Scholarships Committee for University Scholarships or Bursaries.

For other entrance scholarships see pages 610 and 612.

SCHOLARSHIPS AND BURSARIES

UNIVERSITY SCHOLARSHIPS (see page 622).

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES.—Two scholarships of $375 each and a number of bursaries are given by Mrs. Roy M. Wolvin in memory of her husband. One scholarship is restricted to men undergraduates in the Faculty of Engineering and one is restricted to women undergraduates in the Faculty of Arts and Science. These two awards are made by the Faculty Scholarships Committees on the basis of the results of the sessional examinations. The bursaries are open to students in any undergraduate faculty who have a good academic record and need financial assistance. Application for the bursaries must be made to the Student Aid Office.

CANADIAN PITTSBURGH INDUSTRIES SCHOLARSHIP.—This scholarship of $250 is awarded to a student in the Fifth year of the School of Architecture who has submitted the best solution of a design problem in which glass is a major item. The judges are a committee of the staff of the School of Architecture or practising architects.

†SIR WILLIAM DAWSON SCHOLARSHIP.—A Sir William Dawson Scholarship, given by the New York Graduates' Society; value $60; open also to students in Arts and Science (see page 634).

ANGLIN BURSARY.—This bursary of $250 was established by the late Mrs. Anglin in memory of her husband, the late Mr. J. P. Anglin, B.Sc., 1906. Applications should be made to the Dean of the Faculty.

HON. ROBERT JONES BURSARY.—This bursary of $120 per annum, is granted "from time to time to some needy student for the full term of study in the Faculty of Arts and Science or Engineering." The bursary is continued until the holder graduates if his academic standing is entirely satisfactory. Applications should be made to the Dean of the Faculty.

†*Not to be awarded until further notice.*

BURSARY OF THE CORPORATION OF PROFESSIONAL ENGINEERS.—The Corporation of Professional Engineers presents annually a bursary of the value of $200, tenable by a student in the Fourth or Fifth year of the Faculty of Engineering, and awarded by the Faculty.

BAYLIS SCHOLARSHIP.—Founded in memory of Mr. and Mrs. James Baylis, of Montreal, and having an annual value of $100, this scholarship is awarded to some student entering the Third year who is in need of financial assistance. The scholarship will be continued during the Fourth and Fifth years, if the standing of the student continues to be satisfactory. Application should be made through the Dean of the Faculty.

DOUGLAS TUTORIAL BURSARIES.—The late Dr. James Douglas, who was a member of the Board of Governors, provided for ten or more tutorial bursaries of approximately $100 per annum in the Faculty of Engineering. In assigning these, the circumstances of the applicants as well as their academic standing are considered. These bursaries carry the obligation of giving tutorial instruction equivalent to one evening a week. Students in the Fourth and Fifth years of Engineering are eligible. Written application should be made to the Dean's Office on or before October 15th.

RICHARD S. LEA TUTORIAL BURSARIES.—The late Mrs. Wanda Lea, widow of the late Richard S. Lea, Consulting Engineer and graduate in Applied Science of McGill University, provided a fund of $5,000, the revenue of which is to be used in aid of students who distinguish themselves in the Faculty of Engineering. The revenue will be used to provide two bursaries of $100 per annum to be given to suitable students in their last two years of Engineering, the bursaries carrying the obligation to give tutorial instruction equivalent to one evening a week. Written application should be made to the Dean's Office on or before October 15th.

H. M. MACKAY MEMORIAL SCHOLARSHIP.—This scholarship, established in 1932 as a memorial to the late Henry M. Mackay, formerly Dean of the Faculty of Engineering, will be awarded to a student of British citizenship who has completed the Second year in Engineering and intends to enter the Third year in September. A committee appointed by the Faculty selects the scholar, having in mind the results of the Second year sessional examinations, general character, industry, and other qualities desirable in an engineer. The value of the scholarship is $125. Payment is withheld if the scholar's progress is unsatisfactory.

JENKINS BROS., LTD., SCHOLARSHIP.—Supported by Messrs. Jenkins Bros., Ltd., and having an annual value of $200, this scholarship is open to all Engineering students entering the Fifth year in September and is awarded on the basis of academic standing and personality.

ALASKA PINE & CELLULOSE LIMITED SCHOLARSHIP.—This scholarship of $500, offered annually by Alaska Pine & Cellulose Limited, is available to students entering the final year of Chemical Engineering. The award will be made to a student whose record in the academic and practical work of the Fourth year Chemical Engineering is outstanding.

DOW CHEMICAL OF CANADA LIMITED SCHOLARSHIP.—Dow Chemical of Canada Limited has established a scholarship of $500 for a student in the final year of Chemical Engineering. The award is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Chemical Engineering, subject to the following conditions: (1) the student must have a sincere interest in the Chemical Industry; (2) the student must be in the upper half of the class; (3) the student must demonstrate some leadership in extracurricular activities; (4) the student must be "personable"; (5) the student must not hold another scholarship.

KENNECOTT COPPER CORPORATION SCHOLARSHIPS.—Two scholarships of $500 each have been established by the Kennecott Copper Corporation and are open to students who have completed their Third and Fourth years in Metallurgical Engineering at McGill University. Eligible students must meet the following qualifications: (a) Proficiency in studies; (b) Enthusiasm, leadership, cooperativeness, initiative, ambition; (c) Good health and sturdy constitution; (d) Financial need. Further information may be obtained from the Chairman of the Department of Metallurgical Engineering.

WILLIAM HENRY HOWARD SCHOLARSHIPS.—Three scholarships of $400 each were established in 1955 from the estate of the late Mrs. Florence P. Howard in memory of her husband. The scholarships are open to undergraduate and graduate students in Metallurgy, Chemical Engineering and Geology, and are awarded by the University Scholarships Committee upon the recommendations of the Departments concerned on the basis of scholastic ability and general promise. The scholarships may be renewed upon the recommendations of the Departments concerned.

CALIFORNIA STANDARD COMPANY ENGINEERING SCHOLARSHIP.—This scholarship of $400 is awarded annually by the Scholarships Committee of the Faculty of Engineering to an outstanding student as an aid to completion of his final year in Petroleum Engineering, Mining Engineering, Mechanical Engineering, Chemical Engineering, or Civil Engineering. Preference is given to students showing interest in oil exploration and production.

ALUMINUM COMPANY OF CANADA SCHOLARSHIPS.—Three scholarships of $400 each are open annually to students in the Faculty of Engineering or to Honours students in the Faculty of Arts and Science or other faculties providing graduates in subjects of interest to the aluminum industry. The

scholarships will be awarded by the University Scholarships Committee upon the recommendation of the faculties concerned on the basis of financial need, character, and ability.

NEVIL NORTON EVANS SCHOLARSHIP—This scholarship of $100 a year was established in 1937 by graduates of the Faculty of Applied Science (Engineering) to commemorate the work of Professor Nevil Norton Evans, formerly Professor of Chemistry. It is open to students in the Faculty of Engineering who show outstanding ability in Chemistry. The award will be made by the Faculty of Engineering and the Department of Chemistry.

STUART ALBERT WISDOM MEMORIAL SCHOLARSHIP.—This scholarship of $200 was established in 1953 by Mrs. Stuart Albert Wisdom as a memorial to her late husband who graduated from McGill University in 1909 with the degree of B.Sc. (Mining and Metallurgy), and to commemorate his outstanding contributions to the field of metallurgy and, in particular, his invention of the process for the manufacture of acetylene black. The scholarship is awarded by the Faculty Scholarships Committee on the recommendation of the Department of Metallurgical Engineering to a student entering the Fifth year of Metallurgical Engineering who has shown high scholastic ability and engineering promise.

GORDON SPROULE MEMORIAL SCHOLARSHIP.—The Montreal Chapter of the American Society for Metals offers a scholarship of $200 to a student in the Fourth year of the Metallurgical Engineering course. This scholarship has been established in memory of Gordon Sproule, a member of the staff of the Department of Metallurgical Engineering from 1918 to 1953, as a token of his ability and in appreciation of his many services to the Society. The award is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Department of Metallurgical Engineering to a student of creditable academic standing, of engineering promise, and who has need of financial assistance.

AMERICAN SOCIETY FOR METALS FOUNDATION FOR EDUCATIONAL RESEARCH SCHOLARSHIP.—A scholarship of $500 is given annually by the American Society for Metals Foundation for Educational Research to attract competent students into the study of Metallurgy. The scholarship is awarded by the Chairman of the Department of Metallurgical Engineering to a student of distinguished ability and engineering promise registering in the Third Year of the course in Metallurgical Engineering.

CANADIAN INSTITUTE OF MINING AND METALLURGY SCHOLARSHIP.—The Montreal Women's Auxiliary of the Canadian Institute of Mining and Metallurgy has established an annual scholarship of $300 open to undergraduate or graduate students in Geology, Metallurgical Engineering, Mining Engineering, or allied subjects.

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS (see page 616).

HEWITT EQUIPMENT LIMITED SCHOLARSHIP.—This scholarship of $250 is awarded annually by the Faculty of Engineering to a student in the Fourth or Fifth year in any division of the engineering course. If awarded to a Fourth year student it is renewable if satisfactory standing is maintained. The award is made on the basis of academic standing and engineering promise. In the event that candidates are equal on the above basis, financial need can be considered. Preference is given to students interested in road construction or similar work connected with the Pulp and Paper Industry. No applications are required.

IRON ORE COMPANY OF CANADA SCHOLARSHIPS.—Iron Ore Company of Canada has established two scholarships of $500 each, one for students entering the Fourth year and one for students entering the Fifth year of the Mining Engineering course. The scholarships are awarded by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Mining Engineering on the basis of academic ability, personality, need, and general suitability for a career in mining.

AMERICAN SMELTING AND REFINING COMPANY SCHOLARSHIP.—This scholarship of $500 has been established by the American Smelting and Refining Company for a student in Mining Engineering. The award is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Mining Engineering and is based on academic ability, need, personality, and general suitability for a career in the mineral industry. The scholarship is limited to citizens of Canada, the United States, and Mexico, unless an exception, approved by the Company, should be made.

R. P. D. GRAHAM SCHOLARSHIPS.—Scholarships provided from the income on a fund endowed by former students of Dr. R. P. D. Graham, Professor Emeritus of Mineralogy, are available to students entering the Second, Third, or Fourth year of the B.Sc. course and to students entering the Third, Fourth, or Fifth year of the Mining Engineering course. The awards are made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Geological Sciences.

ORENDA ENGINES LIMITED SCHOLARSHIPS.—Three scholarships of $500 each have been established by Orenda Engines Limited, Toronto, Ontario, for students having completed the Second, Third, or Fourth year in Chemical, Civil, Electrical, Mechanical, Metallurgical Engineering, or Engineering Physics. One scholarship will be awarded in each of the Third, Fourth, and Fifth years on the basis of high academic standing with preference being given to students who show initiative and leadership qualities. The

scholarships are not necessarily renewable, but three scholarships will be awarded in each session. The holders of these scholarships may hold other monetary awards of the annual value of not more than $100.

JOHNSON'S WAX SCHOLARSHIP,—A scholarship of the total value of $1,800 ($600 a year for three years) is awarded each year to a student who has completed the Second year in the Faculty of Engineering and is entering the Third year course in Chemical Engineering. This scholarship is awarded by the Faculty of Engineering and will be renewed until the holder graduates provided his or her academic standing is sufficiently high. The award is made mainly on the basis of academic standing but the general qualifications of the candidates for the engineering profession and their need for financial help shall also be considered. No applications are necessary.

BOND METAL FINISHERS LIMITED SCHOLARSHIP.—This scholarship of $750 has been established by Bond Metal Finishers Limited for a student entering the Third year of Metallurgical Engineering. The award, which may be divided, is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Metallurgical Engineering. The student must be in the Third year of Metallurgical Engineering, must have a good academic record and show definite promise of general success as an engineer.

R. C. E. MEMORIAL SCHOLARSHIPS.—These Scholarships of $125 each have been established by the Royal Canadian Engineers and are tenable for one year at a number of universities throughout Canada. One award is open to students at McGill University who have successfully completed their second-to-last year in the courses leading to the degree of Bachelor of Engineering or Bachelor of Architecture. Candidates must be members in good standing of the C.O.T.C. and must have successfully completed at least one summer season's training with such unit or as a member of such unit. R.O.T.P. members and ex-members of the C.O.T.C. who have successfully completed three years of C.O.T.C. training and have transferred to the Canadian Army (Militia) or (Supplementary Reserve) are also eligible. Academic standing, qualities of leadership, and participation in C.O.T.C. and student activities are taken into consideration in making this award. Candidates must be recommended by the University. Further information and application forms may be obtained from the Registrar's office. Applications must be submitted to the Registrar by March 15th.

PROVINCE OF QUEBEC MINING BURSARIES.—Each year the Department of Mines of the Province of Quebec offers a number of bursaries to enable students to take a university course in mining engineering or metallurgical engineering. The maximum annual value of these scholarships is $650

for a student who has to live away from home in order to attend the University, and $400 for a student who can live at home. Candidates must be Canadians and have lived for at least five years in the Province of Quebec. Further information may be obtained from the Registrar's Office. These bursaries are also open to graduate students in Metallurgy, Mining Engineering, and Geology.

A. F. BYERS BURSARY.—This Bursary of $300 is awarded by the University Scholarships Committee on the recommendation of the Scholarships Committee of the Faculty of Engineering to a student in Engineering who has a good academic record and has need of financial assistance. It is renewable annually until the holder graduates provided he maintains a satisfactory academic standard and continues to need financial help. Applications should be made to the office of the Dean.

For information concerning bursaries open to undergraduates in all Faculties see page 622.

PRIZES AND MEDALS

BRITISH ASSOCIATION PRIZES.—Two British Association prizes of $40 and $20 are awarded to the students obtaining the highest, and the second highest aggregate marks, respectively, in the sessional examinations in Calculus and Mechanics of the Third year.

SCOTT EXHIBITION.—A Scott exhibition of $35, founded by the Caledonian Society of Montreal, in commemoration of the centenary of Sir Walter Scott, and a British Association prize of $20, are awarded to the students obtaining the highest, and the second highest aggregate marks, respectively, in the sessional examinations in Mathematics, Mechanics, Descriptive Geometry, and Physics of the Second year.

CORPORATION OF QUEBEC LAND SURVEYORS PRIZE.—A prize of $25 open to students in Civil Engineering and awarded at the end of the Fourth year by the Corporation of Quebec Land Surveyors to the student obtaining the highest standing in the subjects of the undergraduate courses in engineering comprising Surveying, up to the end of the Fourth year.

ANGLIN-NORCROSS PRIZE.—A prize of $25, presented by the Anglin-Norcross Corporation Limited, awarded to the student obtaining the highest mark in Architectural Drawing in the Second year of the School of Architecture. This award is granted only to students whose record enables them to proceed to the next higher year.

ANGLIN-NORCROSS PRIZE.—A prize of $25, presented by the Anglin-Norcross Corporation Limited, awarded to the student obtaining the highest marks in the Fourth year course in Design of Buildings (Design A) in the School of Architecture.

SOCIETY OF CHEMICAL INDUSTRY STUDENT PRIZES.—Two Montreal Prizes of $50 and $25 are offered by the Canadian Section of the Society of Chemical Industry to be competed for annually by bona-fide undergraduate students of McGill University, the University of Montreal, Macdonald College, and the Ecole Polytechnique. The papers shall be on a chemical subject coming under one of the following groups: (a) original laboratory work or original plant work; (b) original literature review; (c) critical study of plants and plant operations or chemical processes; (d) critical study of laboratory procedures; (e) any other subject (chemical) involving originality. Entries must be submitted to the Secretary, Canadian Section, Society of Chemical Industry, Room 800, 420 Lagauchetiere St. West, Montreal, not later than April 1st of each year.

INSTITUTE OF RADIO ENGINEERS PRIZES.—Each year two prizes will be offered to students of McGill and other approved universities for the best papers on radio engineering or some closely allied subject. The first prize is $25 and the second prize is a student membership in the Institute of Radio Engineers for a period of two years. Essays, which may be written in French or English, must reach the office of the Dean of the Faculty of Engineering not later than the 30th of November.

CHESTER MACNAGHTEN PRIZES (see page 629).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 629).

MCCHARLES PRIZE.—This prize of $1,000, gift of the late Aeneas McCharles, is given for the discovery of improved methods of treating Canadian ores or minerals, for the development of new life-saving devices in the power and light industry, or for notable achievement in scientific research in any useful practical line, and is open to any Canadian. Further information may be obtained from the Registrar's Office.

BRITISH ASSOCIATION MEDAL.—This medal is open for competition to students of the graduating class in each of the Engineering courses, and, if the examiners so recommend, will be awarded to the student taking the highest position in the final examinations. The British Association Medals were founded by the British Association for the Advancement of Science in commemoration of its meeting held in Montreal in 1884.

ERNEST BROWN GOLD MEDAL.—This medal was founded by the late Mrs. Ernest Brown in 1952 in memory of her husband the late Ernest Brown, M.Sc.. M.Eng., D.Eng., Dean of the Faculty of Engineering from 1930 to 1942, It is awarded to the student in the graduating class in any of the Departments of Engineering who has shown the highest ability throughout his undergraduate course. In making the award, while academic standing is of primary importance, account is also taken of qualities of leadership and ability to work with others.

CHARLES MICHAEL MORSSEN GOLD MEDAL.—This medal was established by Mrs. C. Michael Morssen in memory of her husband, Charles Michael Morssen, a benefactor of the Faculty of Engineering for many years. It is awarded to a student of high academic standing and exceptional engineering promise in the graduating class in any of the Departments of Engineering.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—Awarded to the student ranking highest in the Graduating Class in Architecture, provided his work is considered of sufficient merit.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—Awarded to the student obtaining the second place in the Graduating Class in Architecture, provided his work is considered of sufficient merit.

ROYAL ARCHITECTURAL INSTITUTE OF CANADA MEDAL.—A medal is offered annually to the student who has completed the entire course at a recognized School of Architecture, has obtained high marks throughout his course, and who gives promise of being an architect of distinction after graduation. British subjects only are eligible for this award.

LOUIS ROBERTSON PRIZE.—Founded by Mr. and Mrs. John A. Robertson, in memory of their son, John Louis Armour Robertson, who was killed in the Great War on July 18th, 1916, to be awarded in the form of books to the graduating student who ranks highest in Design in the final year of the School of Architecture.

PHILIP J. TURNER PRIZE.—A prize of $70 presented by Mr. A. B. Darbyson, a graduate in the School of Architecture of the Class of 1915, to the student obtaining the highest marks in Building Construction of the Third year course in Architecture.

ROBERT FORSYTH PRIZE IN CIVIL ENGINEERING.—Under the will of the late Miss Jeanie Forsyth a prize of $40 is awarded each year, if the examiners so recommend, to a "worthy and needy" student of the graduating class who secures high standing in the subjects of Theory of Structures and Strength of Materials.

ELECTRICAL MANUFACTURING CO. LTD. PRIZE.—The Electrical Manufacturing Co. Ltd. of Montmagny, Quebec, offers a prize of $25 to the top ranking graduating student in the Power Option of the Electrical Engineering course. This prize is awarded by the Department of Electrical Engineering.

PRIZES FOR SUMMER ESSAYS

ENGINEERING INSTITUTE OF CANADA PRIZES.—The Engineering Institute of Canada offers each year a prize of books or instruments to the value of $25 for the best paper in any branch of engineering received from an

English-speaking Junior of the Institute in the Province of Quebec. This prize is known as the Phelps Johnson Prize; another of the same value, the Ernest Marceau Prize, is awarded for the best paper in French. Similar prizes are open to those located in other provinces. The successful papers become part of the literature of the Institute and place the authors in prominent touch with the engineering profession. Further particulars may be obtained from L. Austin Wright, General Secretary, 2050 Mansfield Street, Montreal.

ENGINEERING INSTITUTE OF CANADA PRIZE.—The Engineering Institute of Canada also offers each year a prize of $50 to the student of the Fourth year whose standing, considered in combination with his activities in student engineering organizations, is, in the opinion of the Faculty, most meritorious.

CANADIAN INSTITUTE OF MINING AND METALLURGY PRIZES.—Two prizes, one of $50 and one of $25, for, respectively, the first and second best essay prepared by undergraduate students before receiving a Bachelor's degree on a subject appropriate to any one of the Institute's Technical Divisions, namely the Coal Division, the Geology Division, the Industrial Minerals Division, the Metallurgy Division, the Metal Mining Division, and the Petroleum and Natural Gas Division.

UNDERGRADUATE SOCIETY'S PRIZES.—Three book prizes to the value of $10 are given by the Undergraduate Society of the Faculty of Engineering for the best summer essays submitted by students in the Fourth and Fifth years.

In addition, two book prizes to the value of $10 are given by the Society for summer essays submitted by students entering the Third year.

The following regulations apply: (1) the Faculty will correct and grade the summer essays in the usual way, (2) when the classification is completed a list of those essays worthy of consideration by the Prize Committee will be posted, (3) essays awarded prizes will *ipso facto* become the property of the Engineering Undergraduate Society and will be bound by the Society and kept in the Engineering Library, and (4) a notice, to accompany the list of essays considered, will be posted stating that among the students considered those wishing to compete for the prizes should signify their intention to do so by writing to the Faculty, mentioning clearly that they accept condition No. 3.

JAMES DICKIE HALL PRIZES.—Two prizes were established by Oliver Hall in memory of his son, James Dickie Hall, lost near Cannes in June 1944, in an air battle between four R.C.A.F. and more than ninety enemy planes. These prizes of $50 each, one in Mining and one in

Metallurgy, are open to students entering the Fourth or Fifth years of these courses and are awarded for the best summer essay in each department. Prizes will not be awarded unless the essays are of high quality.

TURNBULL ELEVATOR COMPANY LIMITED PRIZES.—Four prizes of $62.50 each have been provided by the Turnbull Elevator Company Limited of Toronto for students of the School of Architecture who submit the best summer essays in their particular year.

AMERICAN SOCIETY OF HEATING AND AIRCONDITIONING ENGINEERS PRIZE.—This prize of $25 and a copy of the A.S.H.A.E. Guide is awarded by the Department of Mechanical Engineering for the best summer essay in Mechanical Engineering on Heating and Air Conditioning topics.

QUEBEC ROAD BUILDERS ASSOCIATION PRIZE.—A prize, or prizes, totalling $150, is offered annually by the Quebec Road Builders Association to the student or students submitting summer essays as part of their regular assignments and who select a topic related to the soil engineering aspects of road building.

LOAN FUNDS

GEORGE HENRY FROST FUND.—Founded by the late G. H. Frost, B.Sc. 60, to aid students who, when commencing the work of the Fourth year or a subsequent year in the Faculty of Engineering, require financial assistance. In making loans from this fund the academic standing of the applicants is considered. Applications should be made to the Dean.

WADDELL LOAN FUND.—Founded by the late J. B. Waddell, Esq. Loans are made under the same conditions as apply to the George Henry Frost Fund, except that the benefits are available to graduate students as well as to undergraduates. Applications should be made to the Dean.

CANADIAN INSTITUTE OF MINING AND METALLURGY LOAN FUND.—Founded by the Montreal Women's Auxiliary of that organization for the assistance of Engineering students in Mining, Metallurgy, Geology, and allied subjects. Applications should be made to the Dean.

CANADIAN INSTITUTE OF MINING AND METALLURGY MONTREAL BRANCH LOAN FUND.—Established in December 1958 by a donation from the Montreal Branch of the Institute to provide loans to undergraduate or graduate students in the Departments of Geological Sciences, Metallurgical Engineering and Mining Engineering. Application should be made to the Dean.

BENNETT EDUCATIONAL FUND.—Students in Engineering are eligible for loans from the Bennett Educational Fund of the Engineering Institute of Canada. Application forms may be obtained from the Office of the Dean. Loans from this fund are made normally only to students in upper years.

ISABELLA MCLENNAN BURSARY AND LOAN FUND.—Established in 1950 by Miss Isabella McLennan to aid students in the School of Architecture. Applications should be made to the Dean of the Faculty of Engineering.

SCIENCE '25 MEMORIAL LOAN FUND.—Established in 1955 by the Class of Science '25 to provide loans for undergraduate students in Engineering. Applications should be made to the Dean.

WICKENDEN LOAN FUND.—Established in December 1958 by Mr. John F. Wickenden to aid students in the final year of Engineering who have obtained better than average standing in previous years. Application should be made to the Dean.

OTHER LOAN FUNDS (see page 630).

For awards open to Graduate Students see page 696.

F. OPEN TO STUDENTS IN THE FACULTY OF MEDICINE

For scholarships, bursaries, and loan funds open to undergraduates in all faculties see page 622.

MEDALS

HOLMES GOLD MEDAL.—Founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, M.D., LL.D., sometime Dean of the Faculty of Medicine, this medal is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze and the money equivalent of the gold medal.

WOOD GOLD MEDAL.—Founded by Casey A. Wood, M.D., LL.D., this medal is awarded to the student graduating with the highest aggregate number of marks in the oral and practical examinations in the clinical subjects of the Final year. The winner of the Holmes Medal is ineligible for this medal.

SUTHERLAND GOLD MEDAL.—This medal, founded in 1878 by the late Mrs. Sutherland in memory of her husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Biochemistry, together with a creditable examination in the primary branches.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—This medal is awarded to the student of the final year who, in the opinion of the Chairman of the Department of Health and Social Medicine, is most proficient in that subject.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—This medal is awarded to the student who obtains the highest standing in the final examination in Physiology.

WALTER CHIPMAN GOLD MEDAL.—This medal, founded by the late Max Strean in honour of Dr. W. W. Chipman, is awarded to the student obtaining the highest aggregate standing in Obstetrics and Gynaecology throughout the medical course.

PRIZES

JOSEPH HILS PRIZE.—(Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

JOSEPH MORLEY DRAKE PRIZE.—(Founded by the late Joseph Morley Drake, M.D.)—A prize of $50 in books, to be awarded to the student who obtains the highest number of marks at the final examination in Pathology.

PRIMARY PRIZE.—A prize in books awarded for the best aggregate standing in the subjects of the first two years.

F. SLATER JACKSON PRIZE.—A prize of $35 founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded to the student who obtains the highest standing in the final examinations in Histology.

SAMUEL ROSENFELD PRIZE.—A prize of $50 for the highest standing in Bacteriology and Immunology.

PRIZE IN MEDICAL JURISPRUDENCE AND TOXICOLOGY.—This prize of $40 was established in 1954 and is awarded to the student who obtains the highest standing in Medical Jurisprudence and Toxicology.

ALEXANDER D. STEWART PRIZE.—An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

ROBERT FORSYTH PRIZE.—Under the will of the late Miss Jeanie Forsyth a prize of $40 is awarded each year to a student who, upon graduation, has shown particular ability in all branches of Surgery.

CAMPBELL KEENAN MEMORIAL PRIZE IN CLINICAL SURGERY.—An annual prize of $50 has been established by Miss Charlotte Mildred Hagar in memory of the late Dr. Campbell B. Keenan. The prize will be awarded to the student in the graduating class who has shown the highest proficiency in Clinical Surgery as determined by the Chairman of the Department of Surgery. The winner of the Robert Forsyth Prize in Surgery is ineligible for this award.

JOHN MUNRO ELDER PRIZE.—An annual prize of $25 founded in 1935 by Aubrey H. Elder, Q.C., in memory of his father, John M. Elder, C.M.G., M.D., C.M., sometime Assistant Professor of Surgery in the Faculty. The prize is awarded to the student who obtains the highest standing in the final examinations, written and oral, in Anatomy.

CAMPBELL HOWARD PRIZE IN CLINICAL MEDICINE.—An annual prize of $50 founded by Mrs. Campbell Howard, in memory of her husband, the late Dr. Campbell P. Howard, Professor of Medicine at McGill University. The prize is awarded to the student who shows the most consistent excellence in his written case reports in the subject of Clinical Medicine.

COLLEGE OF PHYSICIANS AND SURGEONS OF THE PROVINCE OF QUEBEC PRIZE IN MEDICINE AND PATHOLOGY.—This prize of $100 is awarded to the student who obtains the highest standing in the final examinations in Medicine and Pathology. The recipient of this prize must be registered as a student in Medicine with the College of Physicians and Surgeons of the Province of Quebec.

COLLEGE OF PHYSICIANS AND SURGEONS OF THE PROVINCE OF QUEBEC PRIZE IN PAEDIATRICS.—This prize of $100 is awarded to the student who obtains the highest standing in the final examination in Paediatrics. The recipient of this prize must be registered as a student in Medicine with the College of Physicians and Surgeons of the Province of Quebec.

MONA BRONFMAN SHECKMAN PRIZE.—Awarded to the student who obtains the highest standing in Psychiatry in the final year.

ELECTRODESIGN PRIZE.—A prize of $25 for the highest standing in the Physiology section of the Second year course in Anatomy and Physiology of the Central Nervous System.

PRIZE IN PSYCHIATRY.—This prize of $50 in books is awarded annually to the Third year Medical student who, in the opinion of the Awards Committee of the Department of Psychiatry, submits the best essay upon a subject to be set each year.

CHESTER MACNAGHTEN PRIZES (see page 629).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 629).

SCHOLARSHIPS AND BURSARIES

NATIONAL SCHOLARSHIPS (see page 611).

UNIVERSITY SCHOLARSHIPS (see page 622).

FREDERICK SMITH MEMORIAL SCHOLARSHIP.—One University Scholarship known as the Frederick Smith Memorial Scholarship is awarded only to students in the Faculty of Medicine.

DR. MAUDE E. SEYMOUR ABBOTT SCHOLARSHIPS.—Established in 1938 by an anonymous donation of $10,000 in honour of the late Maude E. Seymour Abbott, B.A., M.D., F.R.C.P. (Canada), LL.D. (McGill), to commemorate her distinguished work in connexion with the history of Canadian medicine, the Sir William Osler Pathological Collection, and her outstanding research in congenital cardiac disease.

The revenue of this fund is used for the provision of scholarships to be awarded by the University to an undergraduate in the Faculty of Medicine. While men and women are both eligible for the awards, women candidates will be given the preference. The amount of the awards will vary according to the needs of the winners. Applications in writing must reach the Secretary of the Faculty before June 30th.

J. H. B. ALLAN SCHOLARSHIP.—This scholarship of $400 is available to undergraduate students in any year and is awarded by the Scholarships Committee of the Faculty of Medicine on the basis of scholarship and financial need. No application is required.

WALTER J. HOARE MEMORIAL SCHOLARSHIP.—This scholarship was endowed by the late Dr. Charles W. Hoare, a graduate of McGill University, in memory of his son, Walter J. Hoare, who was killed in World War I. It is open annually to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine. If there are no qualified candidates in this preferred class, the scholarship may be awarded to another candidate nominated by the Faculty of Medicine. Applications in writing must reach the Secretary of the Faculty before June 30th.

JAMES GRAHAME KER AND FREDERICK K. PETRIE MEMORIAL SCHOLARSHIP.—This scholarship of $400 is awarded annually to the student from Eastern Ontario (Counties of Dundas, Stormont, Glengarry, Grenville, Carleton, Russell, and Prescott) or from the city of Montreal, who, in the examinations of the First year of the medical course secures the highest academic standing. The Faculty of Medicine may, however, if they see fit, award this scholarship to the same student during the Third and Fourth years.

KEITH HUTCHISON MEMORIAL SCHOLARSHIPS.—In memory of the late Dr. Keith Hutchison, two scholarships have been established in the Faculty of Medicine. Their normal value is $400 each per annum, but this is subject to adjustment at the Faculty's discretion in the light of the holder's financial needs. The scholarships are tenable in any year of the course and will be awarded on the basis of distinguished academic standing and financial need. The holder of a scholarship in any one session is eligible to re-apply for the following year. Applications in writing must reach the Secretary of the Faculty before June 30th.

CAMPBELL KEENAN MEMORIAL SCHOLARSHIP.—This scholarship, having a normal value of $150 a year, has been established by Miss Charlotte Mildred Hagar in memory of the late Dr. Campbell B. Keenan. It is tenable in the Second, Third, or Fourth year of the course in Medicine and is awarded on the basis of distinguished academic standing and financial need. The award will be made to an applicant who has expressed the intention eventually of entering surgical practice. The holder of the scholarship in any one session is eligible to re-apply for a subsequent session. Applications in writing must reach the Secretary of the Faculty before June 30th.

ROBERT SHARWOOD MEMORIAL SCHOLARSHIP.—In memory of the late Mr. Robert Sharwood a scholarship has been established in the Faculty of Medicine. Its normal value is $400 per annum, but this is subject to adjustment at the Faculty's discretion in the light of the holder's financial needs. The scholarship is tenable in any year of the undergraduate course in Medicine and will be awarded on the basis of distinguished academic standing and financial need. The holder of the scholarship in any one session is eligible to re-apply for the following year.

SIMON AND ROSALIE HALPERN MEMORIAL SCHOLARSHIP.—This scholarship was endowed by the late Dr. Fanny G. Halpern in memory of her parents. It has a value of $400 and is open annually to students of Roman Catholic or Jewish faith. The award will be made on the basis of distinguished academic standing and financial need. The holder of the scholarship in any one session is eligible to re-apply for the following year. Applications in writing must reach the Secretary of the Faculty before December 1st.

SAMUEL ROSENFELD SCHOLARSHIP.—This scholarship of $150 will be awarded to a student entering the Second year, on the basis of scholarship and need. No application is required.

MORRIS BINZ SCHOLARSHIP.—From the bequest of the late Morris Binz, $1,000 is set aside annually for scholarships in the Faculty of Medicine.

SIR EDWARD W. BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS.—A fund of $100,000 has been established under the will of the late Dr. Henry Albert Beatty, the income from which is to support two scholarships, not necessarily of equal value, to be awarded annually to students of either sex and of any nationality, who must be registered in the Faculty of Medicine as candidates for the M.D.,C.M. degree or for one of the postgraduate Diplomas in a clinical specialty. The holder is expected to devote his year of tenure either to research or to some form of special training excluding the normal training toward the M.D.,C.M. and excluding any of the years of residency training required in the Diploma courses. In the case of students who hold or are working towards the McGill M.D.,C.M. the award may be held at any approved institution in Canada or abroad. For other qualified students the award must be held at McGill University. These scholarships will be awarded by the Faculty of Medicine. Awards will not be made unless suitable candidates present themselves. Applications should be made to the Secretary of the Faculty of Medicine on the forms provided for this purpose on or before February 1st of the year in which the scholarship is to commence.

SAVORY BURSARY.—This bursary of $100 is tenable in the Second, Third, or Fourth year, without other restriction. Applications should be made to the Secretary of the Faculty before June 20th on forms obtainable from the Student Aid Office.

BRUCE SMITH BURSARY FUND.—This fund was set up by a bequest from the late Dr. Bruce Stewart Smith. It is "to assist poor but worthy medical students to complete medical training at McGill University." Application in writing should be made to the Secretary of the Faculty.

G. J. PICKLEMAN BURSARY.—This bursary of $100 was established in 1956 by Mr. G. J. Pickleman and is available to undergraduate students in any year. It is awarded by the Scholarships Committee of the Faculty of Medicine on the basis of distinguished academic standing and financial need.

LOAN FUNDS

KELLOGG LOAN FUND.—Loans up to a maximum of $500 in any one year may be granted to students in good standing who require such assistance from a fund given to the Faculty by the Kellogg Foundation. The regulations and the application forms are the same as for other loan funds controlled by the University. Forms may be obtained from the Secretary of the Faculty.

BOSWELL JAMES LOAN FUND.—This fund was established in 1943 by Dr. A. Boswell James and is available to undergraduates and graduates. Application should be made to the Dean.

WESTON FAY VOLBERG JR. MEMORIAL LOAN FUND.—This fund was established in 1956 by classmates of the late Weston Fay Volberg, Jr., M.D., C.M. 1953, and is available to medical students.

GERTRUDE MUDGE MEMORIAL STUDENT AID FUND.—Established in September 1958 by donations from students, graduates, and staff in memory of the late Gertrude Mudge who was for many years Assistant Secretary of the Faculty of Medicine. Loans from this fund shall not exceed the tuition fees for the year. Application should be made to the Secretary of the Faculty.

OTHER LOAN FUNDS.—See page 630.

For awards open to Graduates in Medicine see pages 696, 701, 711, 713.

G. OPEN TO STUDENTS IN THE FACULTY OF DENTISTRY

For scholarships and bursaries open to undergraduates in all Faculties see page 622.

SCHOLARSHIPS

NATIONAL SCHOLARSHIPS (see page 611).

UNIVERSITY SCHOLARSHIPS (see page 622).

INTERNATIONAL COLLEGE OF DENTISTS (CANADIAN SECTION) SCHOLARSHIP.—This scholarship of $100 has been established by the International College of Dentists (Canadian Section) and is awarded annually by the Faculty of Dentistry to a student who has completed the Third year and is entering the Fourth year. The award is based on scholastic record in the Third year, general character, and participation in extra-curricular activities. No application is required.

CANADIAN DENTAL ASSOCIATION WAR MEMORIAL SCHOLARSHIP AWARD: First Prize $125.00; Second Prize $75.00. To be awarded annually.

The contest is open to all undergraduates of the final year who have been in attendance for at least two years at Canadian Dental Schools. The essay shall consist of 4,000 words.

Correspondence relative to this scholarship should be addressed to The Secretary, Canadian Dental Association, 234 St. George St., Toronto.

MEDALS AND PRIZES

MONTREAL DENTAL CLUB GOLD MEDAL.—Awarded to the student in the final year who stands first in the science and practice of Dentistry. The standing is determined not only by the written and practical examinations at the end of the year, but by the general work of the student during the four years.

COLLEGE OF DENTAL SURGEONS OF THE PROVINCE OF QUEBEC PRIZE.—The Kenneth Carver Prize of twenty-five dollars is awarded to the student, registered in Quebec, obtaining the highest standing in the practical examinations of the final year.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—Awarded to the student in the final year who stands second in the class. The standing is determined in a manner similar to that followed in the awarding of the Montreal Dental Club Gold Medal.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—Awarded to the student obtaining the highest marks in written and practical subjects in the Third year examinations.

MONTREAL ENDODONTIA SOCIETY BOOK PRIZE.—Awarded to the student in the final year showing the greatest aptitude in this subject.

AMERICAN SOCIETY OF DENTAL MEDICINE (MONTREAL SECTION) BOOK PRIZE.—Awarded to the student in the final year obtaining the highest standing in Dental Medicine.

MONTREAL DENTAL CLUB PRIZES.—First, Second, and Third year prizes in money given by the Montreal Dental Club and awarded to the students obtaining the highest standing in the following technique subjects: First year, Dental Anatomy; Second year, to be chosen each year; Third year, Orthodontia Technique.

MOUNT ROYAL DENTAL SOCIETY PRIZE.—A prize is awarded to the student obtaining the highest standing in the final examinations in the First year.

DORION PRIZES.—Second and Third year prizes offered by Dr. Eugene S. Dorion are awarded to the students obtaining the highest standing for an essay on Roentgenology.

DR. I. K. LOWRY PRIZES.—Prizes of medical dictionaries are awarded to the two students in the Second year who obtain the highest marks in Oral Histology and Embryology.

DR. M. J. T. DOHAN PRIZES IN PEDODONTICS.—A prize is awarded to the student in the Fourth year who achieves the highest standing in Practical and Clinical work during the year; another prize is awarded to the student in Third year who obtains the highest mark in the final written examination.

ANONYMOUS PRIZE.—A prize is awarded to the student in the Third year obtaining the highest standing in the final sessional examinations.

SOLOMON PRIZE.—A prize, in memory of the late Dr. Arthur S. Solomon, awarded to the student who obtains the highest standing in the final examinations in the Second year. This prize is made possible by a donation of the Mount Royal Dental Society and the Alpha Omega Fraternity.

CANADIAN SOCIETY OF DENTISTRY FOR CHILDREN PRIZE.—A prize awarded to the student in the final year obtaining the highest standing in didactic and clinical phases of Pedodontics.

CHESTER MACNAGHTEN PRIZES (see page 629).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 629).

LOAN FUNDS

KELLOGG LOAN FUND.—A sum of money has been placed at the disposal of the Faculty of Dentistry by the Kellogg Foundation to assist dental students who have real financial need and are not eligible for assistance under other bursary and loan schemes. Applicants should consult the Dean of the Faculty of Dentistry.

W. R. AIRD LOAN FUND.—Established in 1952 for students in Dentistry. Applications should be made to the Dean.

COLLEGE OF DENTAL SURGEONS OF QUEBEC LOAN FUND.—Established in September 1958 by the College of Dental Surgeons of the Province of Quebec to aid students in the Second and upper years in the Faculty of Dentistry. Such students must be registered with the College of Dental Surgeons of the Province of Quebec and loans shall not exceed the tuition fees for the year. Application should be made to the Dean.

OTHER LOAN FUNDS.—See page 630.

H. OPEN TO STUDENTS IN THE FACULTY OF LAW

For scholarships and bursaries open to undergraduates in all Faculties see page 622.

SCHOLARSHIPS AND PRIZES

NATIONAL SCHOLARSHIPS (see page 611.)

UNIVERSITY SCHOLARSHIPS (see page 622.)

CHIEF JUSTICE R. A. E. GREENSHIELDS MEMORIAL SCHOLARSHIPS.—These scholarships were founded by the will of the late Mrs. R. A. E. Greenshields in memory of her husband, the late Chief Justice Greenshields, D.C.L., LL.D., for many years professor of Criminal Law and Dean of the Faculty of Law. Two scholarships of the value of $400 each are awarded annually to students entering the Faculty of

Law and are renewable in each of the two upper years leading to the Bachelor of Civil Law degree, provided that the student's conduct is satisfactory and that he maintains at least a high Second Class standing, or in the opinion of the Faculty is for other reasons entitled to its renewal. Candidates must satisfy the regular requirements for admission to the Faculty, must have earned a scholastic standing of at least high Second Class, and preferably First Class at the University or Institution which they previously attended, and must furnish evidence of the necessity of financial assistance in order to be able to take up the study of law. Although fluency in both English and French is not essential, preference will normally be given to an applicant who has a good working knowledge of both languages. Application should be made to the Secretary of the Faculty.

THOMAS ALEXANDER ROWAT SCHOLARSHIP.—This scholarship of $125 was founded by Mr. Donald McKenzie Rowat, N.P., in memory of his brother, Lieutenant Thomas Alexander Rowat, B.C.L., who was killed in action at Lens, France, on the 28th June, 1917. It is awarded in alternate years for proficiency in the French language and in the old French law. Candidates must be British subjects of Anglo-Saxon origin.

MAURICE GOLDENBERG MEMORIAL SCHOLARSHIP.—This scholarship of $100 in Government, Constitutional Law, or Public Administration has been established by Mr. H. Carl Goldenberg in memory of his father, the late Maurice Goldenberg. It is awarded annually by the University Scholarships Committee to the best candidate amongst those nominated by the Faculty of Arts and Science and the Faculty of Law. The scholarship is open to both men and women with no restriction as to race, creed, or colour.

ALEXANDER SCHOLARSHIP.—This scholarship of $45 was established in 1950 under the will of the late Maurice Alexander, C.M.G., K.C., of London, England, as a token of esteem for the late Sir Charles Peers Davidson, former Professor of Criminal Law at McGill University. It is awarded annually to a student selected by the Faculty.

LYON W. JACOBS BURSARY.—This bursary was established in November 1957 by donations totalling $500 from the son and daughters of Mr. Lyon W. Jacobs, Q.C., in honour of their father. This fund is to be used to provide an annual bursary of $100 for a Second or Third year Law student who, in the opinion of the Faculty of Law, shows the most progress in his studies and is also in financial need.

MACDONALD TRAVELLING SCHOLARSHIP (see page 710).

CHARLES ALBERT NUTTING PRIZE.—Founded in 1930 by Miss Adelaide Nutting, M.A., R.N., in memory of her brother, Charles Albert Nutting,

K.C., B.C.L., who graduated from the Faculty in 1872. The value of the prize is $70. It is awarded to the student in the First or Second year submitting the best essay on a topic related to legal history, the topic to be fixed in advance by the Faculty.

CARSWELL PRIZES.—Two prizes of $30 each in books were established in 1948 by the Carswell Company, Toronto, Ontario, and are awarded to First or Second year students at the discretion of the Faculty.

READING SOCIETY OF MONTREAL PRIZE.—A prize of $50 established in 1952 by the Reading Society of Montreal to be awarded annually to the student who obtains the highest standing in the First year.

ALEXANDER MORRIS EXHIBITION.—This exhibition of the value of $50, founded in memory of the late Hon. Alexander Morris, M.A., D.C.L., of Toronto, will be awarded to the student who obtains the highest standing in the Second year.

ADOLPHE MAILHIOT MEMORIAL PRIZE.—This prize established by Mr. and Mrs. J. N. Mailhiot, of Victoriaville, P.Q., in 1927, consists of a prize of law books to be given annually to a student selected by the Faculty.

MONTREAL BAR ASSOCIATION PRIZE.—The Montreal Bar Association offers a prize of $50 to the student who obtains the highest standing in Civil Law, and the Junior Bar Association offers a prize of $15 to the student who obtains the best marks in Civil Procedure in the final year.

CHIEF JUSTICE GREENSHIELDS PRIZE.—This prize in Criminal Law endowed by Mrs. Greenshields in 1943 in memory of her husband, the late Chief Justice Robert Alfred Ernest Greenshields, is awarded to the member of the graduating class in Law having the highest standing in Criminal Law throughout the college course. The value of the prize is $40.

JOHN E. CRANKSHAW PRIZE.—Established by friends of the late John E. Crankshaw, Q.C., formerly lecturer in Criminal Law at McGill University. The prize consists of an Advocate's Gown, a copy of the Annotated Criminal Code, and, revenue permitting, the year's Bar Fee. It is to be awarded to the student who has obtained the highest standing in Criminal Law subjects at McGill University and has passed his final examination for admission to the Bar of the Province of Quebec.

"I.M.E." PRIZE IN COMMERCIAL LAW.—A prize of $70 in law books awarded annually to the member of the graduating class having the highest standing in Commercial Law throughout the course.

H. E. HERSCHORN PRIZE.—A prize of $100 given annually by Mr. H. E. Herschorn, N.P., B.A. 1911, B.C.L. 1914, and awarded to the highest ranking graduating student who intends to enter the Notarial profession.

FACULTY ESSAY PRIZE.—A prize of $50 is awarded annually to the student writing the best essay in public law in the Third year.

ARNOLD WAINWRIGHT PRIZE.—A prize of $150 is awarded annually to the student writing the best essay in civil law in the Third year.

CHESTER MACNAGHTEN PRIZES (see page 629).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 629).

MEDALS

ELIZABETH TORRANCE GOLD MEDAL.—Founded in 1864 by Professor John Torrance in memory of his wife, this medal is awarded to the student who obtains the highest marks in the final examinations.

I. BALLON MEMORIAL MEDAL.—This medal was established in 1955 by Mrs. I. Ballon in memory of her husband, the late Isidore Ballon, B.A. 1907, B.C.L. 1908, and is awarded annually to the most outstanding student on the Board of Editors of the McGill Law Journal.

No medals, prizes or scholarships will be awarded if, in the opinion of the Faculty, there is no candidate of sufficient merit.

LOAN FUNDS

A. FLEMING LOAN FUND.—Established in 1954 by Mr. A. Fleming to aid students in the Faculty of Law. Application should be made to the Dean.

OTHER LOAN FUNDS.—For loan funds open to students in all faculties see page 630.

For awards open to Graduate Students see pages 701 and 710.

I. OPEN TO STUDENTS IN THE FACULTY OF MUSIC

SIR WILLIAM PETERSON MEMORIAL SCHOLARSHIPS.—Established in 1921 by the University and by friends, graduates and pupils of the Faculty of Music. The interest upon the original endowment of $6,055 is used to support scholarships in Music as a memorial to the late Sir William Peterson. For further details consult the Secretary of the Faculty.

SIR WILLIAM MACDONALD MEMORIAL SCHOLARSHIPS.—Established in 1922 by the University. The interest upon the original endowment of $6,000 is used to support scholarships in Music as a memorial to the late Sir William Macdonald. For further details consult the Secretary of the Faculty.

ELLEN BALLON PIANO SCHOLARSHIP.—Founded in 1928 by a gift of $1,500 from Miss Ellen Ballon, a graduate of the Conservatorium. The principal has been increased by a further gift of $1,500 from Miss Ballon. In making this award the Faculty takes into account the need as well as the ability of candidates.

RESSLER MEMORIAL SCHOLARSHIP.—Founded in 1950 by the late Mr. H. R. Ressler for violinists.

MARION MAGOR SCHOLARSHIP.—Founded in 1953 by the family of the late Mrs. R. J. Magor for students entering the Second year of the Bachelor of Music course.

JULIUS BLOCK SCHOLARSHIP.—Founded in 1953 by Mr. J. Julius Block for pianists.

CUMMINGS FOUNDATION SCHOLARSHIP.—Founded in 1954 for pianists.

DONALDA PRIZE.—Founded by a gift of $2,500 from Madame Pauline Donalda.

WILLIS PRIZE.—A prize of $100 has been established by Willis & Co. Limited for piano students.

GLADYS GLASSCO MEMORIAL LOAN FUND.—A loan fund for students in the Faculty of Music, established in 1954 by Mr. Gordon B. Glassco in memory of his wife. Application should be made to the Secretary of the Faculty.

FONDATION LES AMIS DE L'ART BURSARY (see page 615).

UNIVERSITY BURSARIES.—Full time students studying for the Licentiate in Music or for the Bachelor of Music degree are eligible for University Bursaries. *For details see page 622.*

J. OPEN TO STUDENTS IN THE FACULTY OF DIVINITY

NATIONAL SCHOLARSHIPS (See page 611).

UNIVERSITY SCHOLARSHIPS (see page 622).

W. M. BIRKS SCHOLARSHIPS.—Three W. M. Birks Scholarships are tenable by students in the Faculty of Divinity who are candidates for the B.D. degree. One of $250 is awarded to an outstanding student entering the First year of the B.D. course, and two, valued each at $100 are awarded to the students who take highest place in the First and Second years of the course, to be paid during the following session, provided the students

are then enrolled as candidates for the B.D. degree. Application for the entrance scholarship must be received by the Dean of the Faculty of Divinity accompanied by a complete transcript of the candidate's academic record and three supporting letters of recommendation on or before October 1st.

W. M. BIRKS TEACHING FELLOWSHIP.—This Fellowship of $1,500 plus tuition fees in the Faculty of Graduate Studies and Research is available to candidates who are able to teach First year Hebrew (three hours) and who wish to pursue Graduate Studies in Divinity. Applications must be received by the Dean of the Faculty of Divinity, accompanied by a complete transcript of the candidate's academic record, and three supporting letters of recommendation, on or before June 1st. (*Not available for 1959-60.*)

SAMUEL FINLEY MEMORIAL SCHOLARSHIP.—This scholarship of $120 is available to a student enrolled in the Faculty of Graduate Studies and Research who is pursuing advanced studies in Divinity. Application should be made to the Dean of the Faculty of Divinity on or before June 1st.

HOUSTON SCHOLARSHIP (see page 635).

W. M. BIRKS PRIZE.—A prize of $50 in books awarded to the student who obtains the highest standing in the graduating year.

LOAN FUNDS.—See page 630.

Students of the Faculty of Divinity who are registered also in the Montreal Diocesan Theological College or in the United Theological College will be eligible for prizes, scholarships, and bursaries as announced in the calendars of these institutions.

K. OPEN TO STUDENTS IN MACDONALD COLLEGE

OPEN TO STUDENTS IN AGRICULTURE

NATIONAL SCHOLARSHIPS (see page 611).

UNIVERSITY SCHOLARSHIPS (see page 622).

FACULTY SCHOLARSHIPS AND BURSARIES.—The Faculty of Agriculture has a loan bursary fund for degree students in Agriculture and Household Science. For further particulars apply to the Registrar's Office, Macdonald College.

ELIZA M. JONES SCHOLARSHIPS.—Four scholarships have been established by a bequest of the late Frank P. Jones in memory of his mother. They are restricted to students who are entering the B.Sc.(Agr.) course for the first time. They have a minimum value of $300 and a maximum value of $500.

Two are reserved for students who are entering the First year of the course and two for students entering the Third year of the course. Application forms may be obtained from the Registrar, and all applications must be made before September 1st. Candidates for First year scholarships are required to submit their complete high school record, their matriculation or High School Leaving marks. Candidates for Third year scholarships are required to present records of their academic attainment for the first two years college work. In all cases the Registrar will ask for the recommendation from officers or faculty members of the school or college attended.

MACDONALD COLLEGE ALUMNI BURSARIES.—Two bursaries of $200 each are offered by the Macdonald Branch of the McGill Graduates' Society. One bursary is open to a student entering the B.Sc.(Agr.) course, the B.Sc.(H.Ec.) course, or the B.Ed. course. The other bursary is open to students entering the Second year of one of these courses. The winner of the entrance bursary in First year will be considered along with other applicants for the Second year bursary. Application should be made to the Registrar's Office, Macdonald College, before September 1st, on forms provided.

QUEBEC WOMEN'S INSTITUTE BURSARY.—The Institute provides a bursary of $100 to the student entering the Second year of the Diploma Course in Agriculture at Macdonald College, who—

(1) is a professional farmer's son, or daughter, from the Province of Quebec.

(2) has spent at least one season (seed time to harvest) in his father's employ on the farm,

(3) intends to return to his father's farm for at least one year on completion of his course (or to manage his own farm),

(4) and who, if more than one candidate presents himself as fulfilling the above three requirements, takes the highest proficiency in agricultural subjects in the First year or, if he is the only candidate, he obtains at least Class II standing in these subjects.

If no student can qualify for the above, this bursary will be made available as an entrance bursary to the First year of the Diploma Course.

JAMES RIST GORHAM SCHOLARSHIP.—A scholarship of $100 established by the late W. M. Gammon in memory of his friend, James Rist Gorham, B.Sc. (Agr.), killed in action March 17th, 1942. The scholarship will be granted to the student in the General Agriculture option who ranks first in the final examinations of the Third year.

NOVA SCOTIA COLLEGE OF AGRICULTURE SCHOLARSHIP.—Macdonald College offers an entrance scholarship of $600 to the student of the Nova Scotia College of Agriculture obtaining the highest standing in the work of the Second year of the degree course in that College and subsequently registers in the Third year of the degree course in Agriculture at Macdonald College. The scholarship will be paid in two instalments, half at the beginning of the Third year and half at the beginning of the Fourth year.

FISHER TRUST FUND.—In memory of the late Honourable Sydney A. Fisher, formerly Member of Parliament for Brome County and Minister of Agriculture, Canada, two agricultural scholarships of $75 a year each tenable at Macdonald College for two years are offered, for the Diploma Course in Agriculture, on the following conditions:—

1. The candidates must be sons of farmers in the County of Brome, co-operating in farm activities during the period of their college course.

2. The candidates must be at least sixteen years of age.

3. The candidates must have passed at least grade IX of the High School course.

4. These scholarships will be continued from term to term only upon favourable reports from the Dean of the Faculty of Agriculture.

Applications must be sent, on or before the 1st of October, to the Chairman of the Fisher Trustees, R. F. Cowan, Mansonville, Que.

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS (see page 612).

CANADIAN PACIFIC RAILWAY SCHOLARSHIPS (see page 615).

GENERAL MOTORS SCHOLARSHIPS (see page 613).

DISTRICT OF BEDFORD GRADUATES' SOCIETY SCHOLARSHIP (see page 619).

OTTAWA VALLEY GRADUATES' SOCIETY BURSARY (see page 615).

ST FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY (see page 619).

MONTREAL BRANCH, CANADIAN WOMEN'S PRESS CLUB SCHOLARSHIP IN JOURNALISM (see page 627).

CHRISTIE-STORER SCHOLARSHIP (see page 620).

ISABELLA C. MACRAE SCHOLARSHIP (see page 619).

LEONARD FOUNDATION SCHOLARSHIPS (see page 625).

KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND (see page 625).

B'NAI B'RITH BURSARIES (see page 624).

FREDERICK SOUTHAM KER BURSARY (see page 624).

PRIZES AND MEDALS

ROBERT RAYNAULD PRIZES.—Four prizes are offered by Robert Raynauld, M.S.A.'28, publisher of *La Ferme*. Two prizes, of $60 and $40 respectively, are awarded to the students standing first and second in course Agronomy 442—Project. The decision is based on both written and oral presentation. Two prizes of $60 and $40 respectively are awarded to the students standing first and second in the examinations of the Third year of the Agronomy Option.

CHEMICAL INSTITUTE OF CANADA PRIZE.—The Chemical Institute of Canada offers a prize of books to the value of $25 to the student in the Chemistry Option with the highest standing at the end of the Third year.

SOCIETY OF CHEMICAL INDUSTRY STUDENT PRIZES (see page 657).

LOCHHEAD MEMORIAL PRIZE.—In memory of her late husband, William Lochhead, B.A., M.Sc., the first Professor of Biology in Macdonald College, Mrs. Lochhead has established by an endowment of $400, a prize to be awarded to the student, majoring in Entomology, who takes the highest standing in the Fourth year. The prize, in value equal to the proceeds of the endowment for one year, is in books selected by the winner with the approval of the Head of the Department of Entomology.

BORDEN COMPANY LIMITED PRIZE.—A prize of the value of $200 is offered by the Borden Company Limited of Canada to encourage promising students who take a course of study of value to the dairy industry. The award will be made to a student on completion of his Third year, half payable at the beginning of the first term of the Fourth year, the balance at the beginning of the second term. The following factors will be considered in making the award: high standing in the subjects of his course during the Third year with emphasis on dairying, dairy chemistry, or dairy bacteriology; participation in student organizations and college activities; co-operation with students and staff in the advancement of the interests of the student body and the College as a whole.

I.O.D.E. PRIZE.—A prize of $200 ($100 for 2 years) is offered by the Provincial Chapter of the Imperial Order Daughters of the Empire to the British student taking the highest marks in the final examinations of the Second year.

CLASS OF 1953 BOOK PRIZE.—Graduates of the class of 1953 (Agriculture and Household Science) have established a fund, the proceeds of which are used to provide a prize in books for the student with the highest standing in all the courses of the Second year curriculum. The prize will be awarded in the B.Sc.(Agr.) course in odd-numbered years; in the B.Sc. (H.Ec.) course in even-numbered years.

STEINBERG PRIZES.—Two prizes of $100 each are awarded annually by Steinberg's Limited to students in the Third year of the B.Sc. (Agr.) course. One is awarded to the student ranking first in the Animal Husbandry option, and the other to the student ranking first in the Horticulture option.

GOVERNOR GENERAL'S MEDAL.—His Excellency the Governor General of Canada donates a bronze medal to be awarded to the student of the B.Sc. (Agr.) course who ranks highest in the graduating class.

LIEUTENANT-GOVERNOR'S MEDAL.—His Honor the Lieutenant-Governor of the Province of Quebec donates annually a gold medal, which is awarded to the student who ranks highest in the Third year of the B.Sc.(Agr.) course.

STERN CUP.—Sir Edward D. Stern, Fan Court, Chertsey, Surrey, England, has donated a silver challenge cup, which is held for one year by the student who makes the highest aggregate in Stock Judging in the final year of the subject.

CUTLER SHIELD.—Mr. Garnet H. Cutler, Professor of Agronomy, Purdue University, Lafayette, Indiana, the first lecturer in Cereal Husbandry, Macdonald College, has donated a bronze challenge shield, which is held for one year by the student majoring in Agronomy, who makes the highest aggregate in the final year.

CONKLIN TROPHY.—Dr. Raymond L. Conklin has donated a trophy to be held for one year by a student in any year of the B.Sc.(Agr.) course who has, in any one session, played on the College football team and in one other team sport and who, in the same year, has maintained high academic standing. The winner's name will be engraved on a shield on the trophy which will be awarded only once to any individual.

LA FERME PRIZE.—Robert Raynauld, M.S.A., Editor of *La Ferme* magazine, offers a prize of $25 for competition among students of the Second year of the Diploma Course who come from farm homes and who intend to return to farming after graduation. The prize will be awarded to the eligible student who presents the best project.

LIEUTENANT-GOVERNOR'S MEDAL.—His Honour the Lieutenant-Governor of the Province of Quebec, gives annually a silver medal, which is awarded to the student who takes the highest percentage in General Proficiency in the First year of the Diploma Course.

MINISTER OF AGRICULTURE MEDALS.—The Honourable the Minister of Agriculture of the Province of Quebec offers annually two bronze medals in connection with the Diploma Course, Second year class, to be presented to the students ranking first in the Dairy Farming and in the Fruit Farming Groups respectively.

MACDONALD COLLEGE STUDENTS LOAN FUND.—Established in 1938 to assist needy students of the Faculty of Agriculture at Macdonald College. Applications should be made to the Dean.

OTHER LOAN FUNDS (see page 630).

OPEN TO STUDENTS IN THE SCHOOL OF HOUSEHOLD SCIENCE

NATIONAL SCHOLARSHIPS (see page 611).

UNIVERSITY SCHOLARSHIPS (see page 622).

FACULTY BURSARIES (see page 672).

MACDONALD COLLEGE ALUMNI BURSARIES (see page 674).

I.O.D.E. BURSARY.—The Imperial Order Daughters of the Empire offers a bursary of $200 to a British student who has successfully completed the Second year of the B.Sc.(H.Ec.) course and has obtained satisfactory standing. The bursary is offered to aid a worthy student who is in need of financial assistance in order to complete her studies. It is payable in two equal instalments at the beginning of the Third and the Fourth years of the course. Other considerations being equal, preference will be given to a candidate from rural Quebec. Application must be made to the Registrar before September 1st, on forms supplied by the College.

MONTREAL HOME ECONOMICS ASSOCIATION BURSARY.—The Montreal Home Economics Association offers a bursary of $150 open to a deserving student in one of the senior years of the B.Sc.(H.Ec.) course. Application should be made to the Registrar, Macdonald College, before October 1st.

DISTRICT OF BEDFORD GRADUATES' SOCIETY SCHOLARSHIP (see page 619)

ST. FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY (see page 619).

GENERAL MOTORS SCHOLARSHIPS (see page 613).

MONTREAL BRANCH, CANADIAN WOMEN'S PRESS CLUB SCHOLARSHIP (see page 627).

OPEN TO ALL WOMEN STUDENTS

JANET MORISON ROBB BURSARY FOR WOMEN.—This bursary was established, by an endowment of $2,000, by the late Honourable James A. Robb, formerly Member of Parliament for Chateauguay-Huntingdon and Minister of Finance, Canada, in memory of his deceased daughter, Janet Morison Robb, wife of Hugh Harvie Donald. The annual bursary will be the income from the endowment for one year. Preference will be

given to women students resident in either of the counties of Chateauguay-Huntingdon, or Beauharnois, who are daughters of widowed mothers of limited or moderate means, or daughters of widowers in similar financial circumstances, or daughters of disabled Canadian soldiers who have seen active service.

Candidates for this bursary are requested to make written application addressed to the Registrar's Office, Macdonald College, Que., *On or before 15th April*, giving full particulars of the grounds upon which their applications are based, and to provide letters from two responsible persons in support of their claims.

PRIZES AND MEDALS

GOVERNOR GENERAL'S MEDAL.—A bronze medal to be awarded to the student who ranks highest in the graduating class of the B.Sc.(H.Ec.) course.

LIEUTENANT-GOVERNOR'S MEDALS.—

(1) *A gold medal*, to be awarded to the student who ranks highest in the Third year of the B.Sc.(H.Ec.) Course.

(2) *A silver medal*, to be awarded to the student who ranks highest in the practice teaching option in the Fourth year of the B.Sc.(H.Ec.) Course.

HARRISON PRIZE.—A prize established by an endowment of $300 under the will of the late Dr. F. C. Harrison, Principal of Macdonald College from 1910 until 1926; awarded to the student of the B.Sc.(H.Ec.) course who graduates with the highest standing.

CLASS OF 1953 BOOK PRIZE (see page 677).

HOME ECONOMICS CLUB PRIZE.—The Home Economics Club of Macdonald College offers a prize of $25 to the student with the highest aggregate in Household Science subjects during her Second and Third years. The award will be made at the end of the Third year.

MRS. ALFRED WATT MEMORIAL PRIZE.—A Prize has been established by the Quebec Women's Institutes as a memorial to a distinguished Canadian, Mrs. Alfred Watt, M.B.E., who introduced the idea of Women's Institutes in England and Wales and was President of the Associated Country Women of the World from 1930 to 1947. This prize, valued at $100 annually, is awarded to a student from rural Quebec in the Second, Third or Fourth year of the B.Sc. (H.Ec.) course who shows qualities of leadership and is worthy of financial encouragement to complete her course.

FREDERICA CAMPBELL MACFARLANE PRIZE.—A prize has been donated by the Quebec Women's Institutes in memory of the late Frederica Campbell Macfarlane, graduate in Institution Administration, 1912, Superintendent of Quebec Women's Institutes from 1913 to 1919. This prize of $100, is open only to students from a rural district of the Province of Quebec, and is awarded on the results of the final examinations in any one of the first three years of the B.Sc. (H.Ec.) course.

L. OPEN TO STUDENTS IN THE INSTITUTE OF EDUCATION

SCHOLARSHIPS AND BURSARIES

NATIONAL SCHOLARSHIPS (see page 611).

UNIVERSITY ENTRANCE SCHOLARSHIPS (see page 611).

J. W. MCCONNELL MEMORIAL SCHOLARSHIPS (see page 612).

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS (see page 612.)

GENERAL MOTORS SCHOLARSHIPS (see page 613).

OTHER ENTRANCE SCHOLARSHIPS (see page 613 to 621).

I.O.D.E. BURSARIES.—The Municipal Chapter I.O.D.E. offers two bursaries, one of $350 and one of $200, tenable in the Institute of Education, Macdonald College. The awards are made by a committee of the Municipal Chapter on the basis of scholarship and need. Applications are to be sent to the Educational Secretary, The Municipal Chapter of Montreal, I.O.D.E., 4112 Western Ave., Westmount, Quebec.

VERDUN WOMEN'S CLUB HARRIET MORRIS MEMORIAL BURSARY.—This bursary of $100 is tenable for one year and is awarded annually by the Verdun Women's Club in memory of the co-founder of the Club, Harriet Morris, to a student who has completed Grade XI in the Verdun High School and who plans to enter the Macdonald College Institute of Education. The award is based on academic record, character, and financial need. Preference is given to women students.

SARAH EMMA HILL SCHOLARSHIP.—The Sarah Emma Hill Scholarship, endowed by the late Mrs. Sarah Emma Hill, of Stanstead, Que., of the present value of about $100, will be awarded each year to a student in the Institute of Education "where assistance is required,—this money to be used by the Trustees of Macdonald College according to their best judgment." Candidates for this scholarship are requested to make written application to the Director of the Institute of Education, on or before September 30th, giving full particulars of the grounds upon which their applications are based, and to provide letters supporting their claims from two responsible persons. In making the award, consideration will be given to scholarship and professional ability as indicated by the standing at the end of the autumn term.

ELLA BRYSON SCHOLARSHIP.—This scholarship was bequeathed by the late Miss Ella Bryson of Fort Coulonge, Que., to the Women's Institute of Fort Coulonge. The scholarship is divided among students from Pontiac County who successfully complete their course in the Institute of Education. Applications must be submitted to the Director, Institute of Education, before May 1st.

MACDONALD TEACHERS' ALUMNI ASSOCIATION SCHOLARSHIP.—Valued at $75, this scholarship is awarded to the person deemed to be the best all round student. Selection of the winner is made by the Director of the Institute of Education and the President of the Alumni Association. The scholarship *must* be used to further the winner's educational studies, and will be held in trust for the winner for a period of not more than five years. When circumstances permit, two scholarships will be offered in the same year.

ESTELLA HOLMES SCHOLARSHIP.—The Women's Institute of Stanstead County offers a scholarship of $100 to a student from Stanstead County who is entering the Institute of Education. Applications should be sent, not later than August 15th to Mrs. R. G. Conner, County Secretary, Stanstead Women's Institute, North Hatley, Que.

JANET MORISON ROBB BURSARY FOR WOMEN.—Open to all women students (see page 679).

DU PONT COMPANY OF CANADA (1956) LIMITED SCHOLARSHIP.—This scholarship of $1,500 is awarded to a graduate in an honours course in science or in a course in which science or mathematics has been a major subject, intending to prepare for science teaching in secondary schools. The scholarship is increased by $600 if the student is married man. Application should be made to the Director, Institute of Education, before May 1st.

NORTH AMERICAN CYANAMID LIMITED SCHOLARSHIP.—This scholarship of $1,500 is awarded to a graduate in an honours course in science or in a course in which science has been a major subject, intending to prepare for science teaching in secondary schools. Application should be made to the Director, Institute of Education, before May 1st.

DAVID C. LOGAN MEMORIAL SCHOLARSHIP.—This scholarship of $100 is available to students of Grade XII entering the Institute of Education and to students now completing their freshman year in the Institute of Education. Application should be made by June 15th to Miss Grace D. Findlay, Secretary, Administrating Committee, 3980 Cavendish Blvd., Apt. 31, Montreal 28, Quebec.

PAPINEAU COUNTY SCHOLARSHIP.—Two scholarships of $200 and $300 respectively are available to students obtaining 60% in Grade XI at Buckingham High School or 70% and be taking Senior Matriculation in

a recognized institution. Applications in writing should be made to the Secretary-Treasurer, Papineau County Protestant Central School Board, Box 850, Buckingham, Quebec.

W. E. DUNTON MEMORIAL SCHOLARSHIP.—A scholarship of $300 is awarded annually to a student in the Greater Montreal Board area. The holder must teach in Board schools for two years after graduation. Applications should be made to the Protestant School Board of Greater Montreal, 3460 McTavish St., Montreal.

CHAMBLY COUNTY TEACHERS' ASSOCIATION SCHOLARSHIP.—The Chambly County Teachers' Association will award a scholarship of $100 annually to a graduate of Chambly County High School entering the Institute of Education. This scholarship will be awarded on the basis of scholarship, leadership, personality and character, punctuality, and financial need, where other factors are equal. Application should be made to the President of the Chambly County Teachers' Association by June 25th.

PROVINCIAL GOVERNMENT BURSARIES.—Provincial Government Bursaries of $200 each are offered to students with satisfactory standing in need of financial assistance. Application must be made on forms supplied either by the Department of Education or the Director of the Institute of Education, and must be submitted to the Director of Protestant Education before September 1st.

PROTESTANT SCHOOL BOARD OF GREATER MONTREAL BURSARIES.—The Protestant School Board of Greater Montreal offers a number of bursaries to the graduates of schools under its jurisdiction. Application should be made to the Director of Education, Protestant School Board of Greater Montreal, 3460 McTavish St., Montreal 1.

PROVINCIAL ASSOCIATION OF PROTESTANT TEACHERS BURSARIES.—The Provincial Association of Protestant Teachers offers a number of bursaries on the basis of scholarship and need. Applications should be made to the Executive Director, Provincial Association of Protestant Teachers, 1410 Guy St., Montreal 25, Quebec.

KAY KERRY CHAPTER I.O.D.E. BURSARY.—The Kay Kerry Chapter, I.O.D.E., offers an annual bursary of $200 to the student in the Institute of Education resident in the towns of Pointe Claire or Beaconsfield. The holder may be registered in any of the degree or diploma courses and the bursary is renewable. Application should be made to the Chairman, Bursary Committee, Kay Kerry Chapter, I.O.D.E., Pointe Claire, Quebec, not later than June 1st.

MONTREAL DAY NURSERY SCHOLARSHIP.—A scholarship of $500, payable in four instalments, is offered by the Montreal Day Nursery to a student wishing to specialize in nursery school teaching. The student will register in the Bachelor of Education course, following the Kindergarten Specialist curriculum during the first two years, specializing in early childhood education during the final two years of the course. Application should be made to the Director, Institute of Education.

KIWANIS CLUB OF DORION-VAUDREUIL BURSARY.—The Kiwanis Club of Dorion-Vaudreuil offers a bursary of $150, tenable by a student in the Institute of Education residing in the counties of Vaudreuil-Soulonges and that part of the county of Jacques Cartier of Riviere des Prairies and west of the eastern boundary of Pointe Claire. Application should be addressed to the Director, Institute of Education, before September 1st of each year.

FEDERATION OF PROTESTANT WOMEN TEACHERS OF GREATER MONTREAL BURSARIES.—The Federation of Protestant Women Teachers of Greater Montreal offers a number of bursaries tenable in the Institute of Education. These bursaries are open to worthy girls from low or middle income families who would find it difficult otherwise to take a two-year Second Class Diploma course or to enter the degree course in Education. Applications should be made to the Federation of Protestant Women Teachers by May 2nd.

ZONTA BURSARY.—This bursary of $150 may be regarded as a loan and paid back by the student if desired. Applications should be made to Miss Annie S. D. Gray, 218 Metcalfe Ave., Westmount, Quebec.

DISTRICT OF BEDFORD TEACHERS' ASSOCIATION BURSARY.—The District of Bedford Teachers' Association will award a bursary of $75 annually to a deserving graduate of Bedford, Cowansville, Granby, or Waterloo High Schools entering the Institute of Education. Applications should be made to Miss C. Elizabeth Griffin, P.O. Box 428, Waterloo, Quebec.

MACDONALD COLLEGE ALUMNI BURSARIES (see page 675).

A. S. LAMB SCHOLARSHIPS.—These scholarships, endowed by friends of Dr. Arthur S. Lamb, formerly Director of the School of Physical Education and of the University Department of Athletics, Physical Education, and Recreation, as a tribute to his work in these fields, were offered for the first time in 1951. There are two scholarships of $100 each, tenable, one by a man and one by a woman, in the final year of the Bachelor of Education in Physical Education course. They are awarded by a small committee who will take into account both the academic record and the personal qualities of the students eligible. No applications for these scholarships are necessary.

In addition to the above two scholarships, one A. S. Lamb scholarship of $100 is open to any student who, having completed at least one year of the undergraduate course, is proceeding from First into Second year, or from Second into Third year. This scholarship will be awarded by the same Committee, on the basis of scholastic ability, personal qualities and financial need. No application is necessary.

PRIZES AND MEDALS

GOVERNOR-GENERAL'S BRONZE MEDAL.—Presented by His Excellency the Governor-General of Canada. Awarded to the teacher-in-training with the highest standing in the Art of Teaching.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—Awarded to the student standing highest among those graduating with Great Distinction in the B.Ed. course.

ETHEL WALKEM JOSEPH PRIZE.—The Wolfe and Montcalm Chapter of the Imperial Order Daughters of the Empire has endowed an annual prize of $25 in the First Class Diploma course as a tribute to the late Mrs. Henry Joseph, Regent of the Chapter.

PROTESTANT HIGH SCHOOL WOMEN TEACHERS ASSOCIATION OF GREATER MONTREAL PRIZE.—A prize of $100 awarded to the woman student attaining the highest standing in the First Class Diploma course.

GOLD MEDAL.—A gold medal is awarded to the student demonstrating the highest general proficiency throughout the B.Sc.(P.Ed.) course.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—This medal is awarded to the student with the highest standing in the sessional examinations in the B.Sc. (P.Ed.) course.

GARDNER KNEELAND MEMORIAL PRIZE IN ENGLISH.—Established by an endowment of $200, by the late Professor A. W. Kneeland, M.A., B.C.L., in memory of his father. Awarded to the teacher-in-training with the highest standing in English.

A. KIRK CAMERON PRIZE IN PRIMARY METHODS.—Presented by A. Kirk Cameron, a member of the Council of Education. Awarded to the teacher-in-training with the highest standing in Primary Methods.

DR. S. P. ROBINS MEMORIAL PRIZE.—Established by an endowment of $500, by Miss Lilian B. Robins, B.A., former lecturer in Mathematics, School for Teachers, Macdonald College, in memory of her father, who was first Professor of Mathematics, 1857 and, later, Principal of McGill Normal School, Montreal, until 1907. The income from the endowment for one year will be awarded to the student who obtains a diploma, and is the most deserving student from the point of view of personality, professional attainments, and home circumstances.

R. D. A. TEACHERS' ASSOCIATION PRIZE.—A prize in books offered by the Richmond-Drummond-Arthabaska Protestant Teachers' Association to the teacher-in-training from the R.D.A. area with the highest academic standing.

Note:—*Prizes are awarded only to students who obtain diplomas in the specified class.*

KINDERGARTEN CLASS

CANON SCOTT CHAPTER, I.O.D.E., PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Kindergarten Class.

SECOND CLASS DIPLOMA

SUPERINTENDENT OF EDUCATION'S MEDAL.—Awarded to the teacher-in-training with the highest aggregate in the Second Class Diploma course.

LIEUTENANT-GOVERNOR'S GOLD MEDAL IN MATHEMATICS.—Presented by His Honour the Lieutenant-Governor of the Province of Quebec. Awarded to the teacher-in-training in the Sophomore Class with the highest standing in Mathematics.

LIEUTENANT-GOVERNOR'S SILVER MEDAL IN MATHEMATICS.—Presented by His Honour the Lieutenant-Governor of the Province of Quebec. Awarded to the teacher-in-training in the Freshman Class of the Second Class Diploma course with the highest standing in Mathematics.

J. C. WILSON PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Second Class Diploma course.

DIRECTOR OF PROTESTANT EDUCATION PRIZE.—Awarded to the teacher-in-training with the second highest aggregate in the Second Class Diploma course.

DIRECTOR OF PROTESTANT EDUCATION PRIZE IN FRENCH.—Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in French.

LE COMITÉ DE L'ALLIANCE FRANÇAISE DE MONTRÉAL SILVER MEDAL.—Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in the First year general French course.

BISHOP OF MONTREAL PRIZE IN SCRIPTURE.—Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in Scripture.

FEDERATION OF PROTESTANT WOMEN TEACHERS OF MONTREAL PRIZE.—Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in History and Geography.

MILTON HERSEY PRIZE IN SCIENCE.—Established by an endowment of $250 by Milton L. Hersey, M.A.Sc., LL.D., formerly a member of the Council of Education. Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in Science.

HONOURABLE JACOB NICOL PRIZE.—Presented by the Honourable Jacob Nicol, Q.C., M.L.C., D.C.L., formerly a member of the Council of Education. Awarded to the teacher-in-training with the second highest aggregate in the Freshman class of the Second Class Diploma course.

THIRD CLASS DIPLOMA

J. C. WILSON PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Third Class Diploma course.

LE COMITÉ DE L'ALLIANCE FRANÇAISE DE MONTRÉAL BRONZE MEDAL.—Awarded to the teacher-in-training in the Third Class Diploma course with the highest standing in general French.

BISHOP OF MONTREAL PRIZE IN SCRIPTURE.—Awarded to the teacher-in-training in the Third Class Diploma course with the highest standing in Scripture.

MILTON HERSEY PRIZE IN SCIENCE.—Established by an endowment of $250 by Milton L. Hersey, M.A.Sc., LL.D., formerly a member of the Council of Education. Awarded to the teacher-in-training in the Third Class Diploma course with the highest standing in Science.

LOAN FUNDS

STUDENT TEACHERS' SOCIETY LOAN FUND.—Established in 1954 by a donation from the Student Teachers' Society to assist students who are registered in the Institute of Education. Applications should be made to the Director, Institute of Education, Macdonald College.

ST. GEORGE'S LODGE NO. 10 A.F. & A.M. LOAN FUND.—Established in 1955 by a donation of $500 to assist students of the Institute of Education. Applications should be made to the Director, Institute of Education, Macdonald College.

STANSTEAD COUNTY CENTRAL SCHOOL BOARD LOAN FUND.—The Protestant Central School Board of Stanstead County offers a loan of $500 available to students in the final year of the Bachelor of Education course or to students completing the requirements of Second or Third Class Diplomas. The student is required to repay the loan in monthly instalments over a one or two year period and remain in the employ of the Stanstead School Board until the loan is repaid. Applications should be made to the Stanstead County Central School Board, Princess Elizabeth High School, Magog, Quebec.

PROTESTANT SCHOOL BOARD OF GREATER MONTREAL LOAN FUND.—The Protestant School Board of Greater Montreal makes loans available to students intending to enter the service of the Board. Application should be made to the Director of Education, Protestant School Board of Greater Montreal, 3460 McTavish St., Montreal.

PROVINCIAL ASSOCIATION OF PROTESTANT TEACHERS LOAN FUND.—The Provincial Association of Protestant Teachers offers loans of not more than $300 per annum. Priority is given to students applying for the first time and to those not eligible for other bursaries. Loans are repayable when the student begins teaching. Application should be made to the Student Loan Committee, P.A.P.T., 1526 St. Mark St., Montreal.

IV. GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

For scholarships and bursaries open to students in all Faculties see page 622.

DEMONSTRATORSHIPS AND INSTRUCTORSHIPS.—In several departments graduate students are eligible for demonstratorships and instructorships. Information concerning these may be obtained from the Chairman of the Department concerned.

FELLOWSHIPS AND SCHOLARSHIPS.—The following list of graduate awards is divided into three sections: A, tenable during graduate study at McGill University only; B, tenable either at McGill University or elsewhere; C, a partial list of travelling fellowships and scholarships for which graduates of McGill University may be eligible. In each of these sections the awards are listed in alphabetical order of the undergraduate faculties from which applicants may have proceeded. In Section D are collected the names of awards for which graduates of other universities who wish to pursue advanced studies at McGill may be eligible. It is to be noted that not all awards listed are open for competition each year; further, an award which is open for competition may not be granted if none of the applications is considered meritorious.

Applications for fellowships and scholarships should be made by letter, except in the cases where they are to be directed to the Dean of the Graduate Faculty who will supply application forms; applicants should simultaneously apply for admission to the Faculty, unless this has been previously granted.

A. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT McGILL UNIVERSITY ONLY

(*See also Section B*)

OPEN TO GRADUATES IN TWO OR MORE FACULTIES

ALLIED CHEMICAL AND DYE CORPORATION FELLOWSHIP IN CELLULOSE CHEMISTRY.—This fellowship of $1,500 and tuition fees for an unmarried man and $2,000 and tuition fees for a married man is tenable by a graduate student in Chemistry, preferably Cellulose Chemistry, normally in the Third year of the Ph.D. course. The Department of Chemistry nominates the recipient.

ALUMINIUM LABORATORIES LIMITED FELLOWSHIP.—This award of $1,600 (eleven months) or $1,100 (eight months) plus fees, plus a grant to the Department for research expenses, is open to graduates of any university who have been admitted to McGill as resident candidates for a Master's or Doctor's degree in Physical Metallurgy and related subjects, and is renewable. Applications should reach the Dean of the Graduate Faculty before February 1st.

AMERICAN VISCOSE CORPORATION FELLOWSHIP IN CELLULOSE CHEMISTRY.—This fellowship of $2,000 per annum may be granted to a graduate of any recognized university who is a British or American subject and is to carry out research on esters or ethers of cellulose in the Division of Industrial and Cellulose Chemistry, located in the Pulp and Paper Research Institute. Applications should be sent to Professor C. B. Purves not later than February 1st.

CELANESE FELLOWSHIP.—The Celanese Corporation of America has offered this Fellowship to a graduate student carrying out thesis research in the Division of Industrial and Cellulose Chemistry on a topic connected with the chemical reactivity of cellulose as influenced by heat and other pre-treatments. The stipend for one year is $1,500 and an additional sum of $700 is provided to defray university fees and the cost of supplies and equipment. Applications should be addressed to the Department of Chemistry.

C-I-L FELLOWSHIPS.—Two postgraduate fellowships in Chemistry, each of the value of $2,000, each with an additional grant of $400 for research expenses, and tenable in the Department of Chemistry were established in 1941 by Canadian Industries Limited. These fellowships are known as the C-I-L Fellowships and are open to university graduates who are Canadian citizens or to university graduates who are intending to follow

a career in Canada. Preference is given to Canadian citizens. Normally the fellowships will be tenable for one year only, but in special cases they may be renewed for a second year. Application should be made in writing to the Chairman of the Department of Chemistry not later than February 1st.

J. B. COLLIP FELLOWSHIPS IN MEDICAL RESEARCH.—Up to three fellowships of $3,000 each are awarded for study at McGill in Anatomy, Bacteriology, Biochemistry, Histology, Pathology, Pharmacology, or Physiology. Candidates must hold the M.Sc. or Ph.D. in one of these subjects, or a degree in medicine, from a recognized university. Graduates of the McGill medical faculty may be permitted to hold the fellowship at an approved institution elsewhere. Application should be made before February 1st to the Secretary of the Faculty of Medicine, from whom application forms and further particulars may be obtained.

COMINCO FELLOWSHIP.—The Consolidated Mining and Smelting Company of Canada, Limited, offers annually a fellowship of $1,000 for research in some field of pure or applied science preferably related to the mining, metallurgical, or chemical industry; an additional grant up to $500 may be made for research expenses or for continuance of the investigation. The fellowship is open to graduates of any approved university, in Science, Engineering or Agriculture, who will normally be proceeding towards a higher degree at McGill. Canadian applicants are preferred. The topic of research will be selected in consultation with the donors and with the Dean of the Faculty of Graduate Studies, to whom application should be made not later than February 1st.

COMMUNITY PLANNING FELLOWSHIPS.—Fellowships of $1,200 will probably be available for Canadian graduates of any approved university who are seeking a McGill Master's degree in Geography, Architecture, Economics, Civil Engineering, Political Science, or Sociology, and who are prepared to participate in the programme of research and study in community planning that is sponsored by these departments. These fellowships are granted by Central Mortgage and Housing, Ottawa, to whom enquiries should be addressed.

GOTTESMAN FELLOWSHIP IN WOOD CHEMISTRY.—The D. S. and R. H. Gottesman Foundation offers annually a fellowship of $800 for research carried out in the Pulp and Paper Research Institute under the supervision of the Department of Chemistry. The candidate must be an American or British subject and a graduate of a recognized university; he will normally be expected to register at McGill as a candidate for a higher degree. The award is made on the recommendation of the Institute and of the Department of Chemistry. Applications should be sent to Professor C. B. Purves not later than February 1st.

HAROLD HIBBERT MEMORIAL FELLOWSHIP.—This fellowship, the value of which is approximately $3,000, is open to candidates who hold a Ph.D. in Chemistry from an approved university or have equivalent qualifications, and is tenable for one calendar year in the Department of Chemistry at McGill University, where the holder is expected to devote his full time to research. It is not renewable. Letters of application should reach the Dean of the Graduate Faculty by February 1st.

WILLIAM HENRY HOWARD SCHOLARSHIPS (see page 652).

T. STERRY HUNT RESEARCH SCHOLARSHIP IN CHEMISTRY.—This scholarship of the value of $600 is open to graduates in Chemistry and Chemical Engineering who have completed the course for the degree of M.Sc., M.Eng. or Ph.D. and have shown high capacity for research. The holder is to assist in the Department as a demonstrator. No application is required.

LEROY MEMORIAL FELLOWSHIP IN GEOLOGY.—This fellowship of $700, established by some friends of Captain O. E. LeRoy (Arts, 1895), who was killed in the battle of Passchendaele, in October, 1917, may be awarded annually to a student who desires to proceed with postgraduate studies in Geology at McGill University. The recipient may be called upon to assist in the teaching work of the Department. The award is made by the Chairman of the Department of Geological Sciences in consultation with the Principal.

ALEXANDER MCFEE FELLOWSHIP.—This fellowship of $1,750 is open to graduates of any approved university who are resident full-time candidates for higher degrees or diplomas at McGill. The award will be made in 1959 in Physics, in 1960 in Chemistry, in 1961 in Medical Sciences (with preference for Cancer research, and so on in rotation. Applications should reach the Dean of the Graduate Faculty before February 1st.

MCGILL UNIVERSITY CARNEGIE ARCTIC SCHOLARSHIPS.—Candidates must intend to proceed at McGill to a research programme involving field research in Arctic or Subarctic North America; this may be in Biology, Geology, Geography, Psychology, Sociology, etc. The normal value is $1,500 for the winter session and $1,250 for the expenses of a field expedition the following summer. If renewed for a second session the scholarships are of average value $1,750. Applications should be sent to the Secretary, Carnegie Arctic Program, McGill University, 539 Pine Ave. West, Montreal, before March 1st. Exceptionally, for experienced applicants, the summer's field work may precede the winter session of tenure, in which case applications must be received by February 1st.

MIRON FELLOWSHIP IN CONCRETE STUDIES.—This fellowship has been established by Miron & Freres Limited for advanced studies in some phase of the concrete industry in the Department of Civil Engineering. This

fellowship has an annual value of $900 plus an additional $300 to the University to be used in the best interests of the investigation. Applicants must be Canadian citizens, normally resident in Canada or those who have taken steps to become Canadian citizens, and graduates in science or engineering of a recognized university. Applications should be made to the Dean of the Graduate Faculty.

PROVINCE OF QUEBEC SCIENTIFIC RESEARCH BUREAU FELLOWSHIPS.—The Bureau grants fellowships, normally of $750 annually, to graduate students who have bona-fide domicile in the Province and are pursuing researches, in any branch of science, which may lead to contributions to the welfare of the Province and the development of its industries. For further particulars consult the Dean of the Faculty of Graduate Studies and Research, before May 1st.

SPRUCE FALLS POWER AND PAPER COMPANY LIMITED FELLOWSHIP IN PULP AND PAPER RESEARCH.—This Fellowship of $1,400 plus fees, plus $300 for research expenses, sponsored by the Spruce Falls Power and Paper Corporation, Limited, is open to Canadians, or landed immigrants from Commonwealth countries, who are graduates of any approved University and who wish to proceed to a higher degree in any branch of chemistry or engineering or physical science, provided that the proposed research topic is agreed to be relevant by the Pulp and Paper Research Institute. Application should reach the Dean of the Graduate Faculty before February 1st.

SHELL OIL FELLOWSHIP.—This fellowship of $1,200 is offered to a graduate of any approved university proceeding towards a Master's degree or Ph.D. at McGill in one of the following fields: Chemistry, Chemical Engineering, Mechanical or Petroleum Engineering, Geology, Physics, Geophysics. Application should be made to the Dean of the Graduate Faculty not later than February 1st.

SOLVAY FELLOWSHIP.—This fellowship of the annual value of $1,150 is offered for the first year of study in the Faculty of Graduate Studies and Research. The award is tenable in any Department of the Faculty, and is open to men and women equally. The holder must have graduated in an undergraduate Faculty of McGill University in the session prior to that for which the award is given, and must obtain permission to proceed to graduate study. No teaching duties are required of the holder, who may not hold any other fellowship or bursary, nor receive a salary for teaching or other duties, during his tenure. Applications for this fellowship must be made to the office of the Dean of the Graduate Faculty on or before February 1st in each year.

UNIVERSITY BURSARIES (see page 622).

UNION CARBIDE (PULP AND PAPER RESEARCH INSTITUTE) FELLOWSHIP.—This fellowship of $1,500 (single) or $2,100 (married) plus tuition fees and research expenses may be awarded to a Ph.D. candidate in Chemistry who will be, and has been for at least one year, identified in his research and training programme with the work of the Pulp and Paper Research Institute. The award is made by the Institute. No application is required.

HARRISON WATSON SCHOLARSHIP.—Established in August 1953 by a bequest from the late Harrison Watson and Ruth Appleton Watson in memory of their only son, Captain Aubrey Wentworth Harrison Watson, D.S.O., M.C. This scholarship of not less than $1,500 is open to men and women graduates of an approved Faculty of Medicine or the holders of M.Sc. or Ph.D. degrees or approved candidates for Ph.D. degrees at McGill University who have completed one year of research and study toward their degrees. The scholarship is open to candidates who have spent at least one year in postgraduate training. Awards of higher value may be made to candidates with higher qualifications. The scholarship may be renewed for two additional years. Preference will be given to McGill graduates. The purpose of the scholarship is the encouragement of research into the causes and cure of tuberculosis and other diseases of an allied character. The scholarship is tenable only at McGill unless the scholar is a graduate in Medicine of McGill University in which case the work of the scholarship may be undertaken at McGill or at an approved institution elsewhere. The successful candidate is required to devote his full time for at least ten consecutive months to the object of the award. Application forms may be obtained from the Secretary of the Faculty of Medicine and must be submitted not later than February 1st.

OPEN TO GRADUATES IN AGRICULTURE ONLY

WALTER M. STEWART SCHOLARSHIPS IN AGRICULTURE.—Two scholarships of $1,000 each are offered to postgraduate students at Macdonald College. One may be held by a postgraduate student whose undergraduate work was taken at the Institut Agricole d'Oka, one by a student from the Collège de Sainte Anne de la Pocatière. Application for these scholarships must be made to the Directors of the two colleges concerned.

C-I-L FELLOWSHIP IN AGRICULTURE.—A postgraduate fellowship in Agriculture for research related to the agricultural chemicals industry, of the value of $2,000, with an additional grant of $400 for research expenses and tenable at Macdonald College by students proceeding to a Ph.D. degree is offered by Canadian Industries Limited to university graduates who are Canadian citizens or to university graduates who are intending to follow a career in Canada. Preference is given to Canadian citizens. Normally the fellowships will be tenable for one year only, but in special cases they

may be renewed for a second year. Upon completion of the year's work, a written report outlining work performed under the fellowship or a copy of the thesis prepared for his degree shall be submitted by the fellow to Canadian Industries Limited. Applications, addressed to the Registrar of Macdonald College, must be made before May 15th each year.

COMINCO FELLOWSHIP (see page 690).

OPEN TO GRADUATES IN ARTS AND SCIENCE ONLY

BRONFMAN FELLOWSHIPS IN COMMERCE AND ECONOMICS.—The Graduate Faculty offers two fellowships of $1,700 each to men and women who have graduated in Commerce or in Economics from accredited universities. The holder of the fellowship is entitled to apply again in a subsequent year. Holders will be expected to be in residence at McGill University throughout the academic session, and to be candidates for a higher degree at McGill. A small amount of teaching work may be asked. Special application forms can be obtained from the Dean of the Graduate Faculty, and should be returned to the Dean of the Graduate Faculty on or before February 1st. Preference will be given to applicants who have previous research experience.

PHILIP CARPENTER FELLOWSHIP IN ZOOLOGY.—This award of $800 was established in 1892 by Mrs. Philip P. Carpenter to provide "a postgraduate teaching fellowship or scholarship in Natural Science or some branch thereof in the Faculty of Arts of McGill College." The award is normally made to a graduate student who has been in residence for at least one year as a Demonstrator, and the Department of Zoology commonly makes a further award of $700 to the holder. Application may be made to Professor John Stanley before February 1st.

MARY KEENAN SCHOLARSHIP IN ENGLISH.—This scholarship of $200 is awarded by the Department of English to a student who is proceeding at McGill University from the B.A. to the M.A. in English. The need of the student as well as his ability will be taken into consideration.

SAMUEL LAPITSKY SCHOLARSHIP.—This scholarship of $600 is tenable by a graduate of any accredited university. Tenure is conditional upon acceptance of the student by the Faculty of Graduate Studies and Research in the field of Sociology or Anthropology. The scholarship is tenable in any year of graduate study and may be renewed for a second year. A small amount of teaching work may be required. Application to the Dean of the Graduate Faculty should be made not later than February 1st.

ALEXANDER MACKENZIE FELLOWSHIP IN POLITICAL SCIENCE.—This fellowship of the annual value of $950 is tenable by a graduate of any accredited university. Such tenure is conditional upon the acceptance by the Department of Economics and Political Science of the applicant as being entitled to admission to the Faculty of Graduate Studies and Research in the field of Political Science. A certain amount of tutorial and teaching work will be required of the holder of the fellowship. Under certain conditions, which may be ascertained in consultation with the Department of Economics and Political Science, this fellowship may be held for a second or third year. Each candidate should send (i) a letter of application, (ii) a certified copy of his academic record, (iii) not more than three testimonials. These should reach the Dean of the Graduate Faculty before the 1st of February.

ARTHUR C. TAGGE FELLOWSHIP IN THE HUMANITIES AND SOCIAL SCIENCES.—This fellowship of the annual value of $1,200 is tenable by a graduate of any approved university proceeding to a higher degree in any Department of the Humanities or the Social Sciences. It will normally be awarded for the first year of graduate study and not be renewable, but exceptions to these rules are not excluded. Applications are invited from outstanding students in the last year of the undergraduate course, at McGill or elsewhere, and should reach the Dean of the Graduate Faculty not later than February 1st.

UNION CARBIDE RESEARCH FELLOWSHIPS.—Two fellowships of $1,500 each in the Natural and Social Sciences have been established by Union Carbide (Canada) Limited and are open to graduates of Canadian universities who are candidates for the Ph.D. degree and have already done at least one year of graduate work. Application should be made to the Dean of the Graduate Faculty by February 1st.

UNIVERSITY FELLOWSHIPS.—The Board of Governors in 1948 set aside $4,000 annually to establish fellowships in the Humanities and Social Sciences, tenable at McGill by graduates of any approved University who have been admitted to candidacy for a higher degree in these fields including the M.A., M.C.L., LL.M., S.T.M., or Ph.D. The value of each is $500. Application should be made to the Dean of the Graduate Faculty prior to February 1st.

In addition, a limited number of fellowships of the value of $1,200 plus tuition fees for ten months, has been made available from the general funds of the University; holders must be full-time resident graduate students at McGill, duly admitted and in good standing, but there is no restriction as to subject, sex, seniority, or country or university of origin. Application should be made to the Dean of the Graduate Faculty not later than February 1st.

OPEN TO GRADUATES IN DIVINITY ONLY

W. M. BIRKS FELLOWSHIP IN DIVINITY (see page 674)

SAMUEL FINLEY MEMORIAL SCHOLARSHIP (see page 674).

OPEN TO GRADUATES IN ENGINEERING ONLY

SIR WILLIAM DAWSON FELLOWSHIP IN METALLURGY.—A research and teaching fellowship of $1,100 annually, in the Department of Metallurgical Engineering, endowed in memory of the late Sir William Dawson, Principal of McGill University from 1855 to 1893. If, in any particular year, the Department of Metallurgy has no candidate for this fellowship and for that same year the Department of Mining has a suitable candidate for whom no fellowship is available the Sir William Dawson Fellowship shall become available to the Department of Mining.

JAMES DOUGLAS FELLOWSHIP IN MINING.—A research and teaching fellowship of $800 annually, in the Department of Mining Engineering, endowed by the late Dr. James Douglas, is restricted to McGill graduates.

B. J. HARRINGTON BURSARY IN MINING ENGINEERING.—This bursary of approximately $300 a year, supported by graduates in Mining Engineering in memory of the late Professor B. J. Harrington, is awarded annually if a suitable candidate offers, and is restricted to McGill graduates.

JOHN BONSALL PORTER SCHOLARSHIP.—This scholarship of $200 founded by Dr. W. W. Colpitts (B.Sc., 1899), is open to graduate students proceeding to the degree of M.Eng. in Civil, Mechanical, or Electrical Engineering, preference being given to students in Civil Engineering. Applications should be in the hands of the Dean of the Faculty of Engineering not later than July 30th. In the case of graduates of other universities these must be accompanied by certified statements of academic standing and letters of recommendation.

WADDELL LOAN FUND.—Loans from this fund, which was founded by J. B. Waddell, Esq., may be made to graduate as well as undergraduate students in any Department of Engineering. Application should be made to the Dean of the Faculty of Engineering.

OPEN TO GRADUATES IN MEDICINE ONLY

A. A. BROWNE MEMORIAL FUND.—The sum of $10,000 has been received by the Faculty of Medicine from the committee of the A. A. Browne Memorial Fund. This fund is used either for a fellowship to be known as the "A. A. Browne Memorial Fellowship", or for a grant to a department to provide technical assistance, equipment, and supplies for medical

research. The fellowship is open to graduates of any recognized medical school and is for the advancement of medical science, special preference being given to the subjects of Obstetrics and Gynaecology. For further information apply to the Secretary of the Faculty of Medicine.

JAMES COOPER ENDOWMENT FOR THE STUDY AND TEACHING OF INTERNAL MEDICINE.—This fund was established by a bequest from the late James Cooper. The income will be used for fellowships or for grants to departments to provide technical assistance, equipment, and supplies for medical research.

JAMES DOUGLAS FELLOWSHIP IN PATHOLOGY.—The sum of $25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

BLANCHE HUTCHINSON RESEARCH FUND.—This fund was established by a bequest from the late Mrs. Frank L. Hutchinson. The income will be used for fellowships or for grants to departments to provide technical assistance, equipment, and supplies for medical research.

H. W. MOLSON FELLOWSHIP IN CANCER RESEARCH.—This fellowship has an annual value of not less than $1,000, is renewable for not more than four years, and is open to graduates of any recognized medical school. The course of training and research will be decided by the Strathcona Professor of Pathology and the Professor of Obstetrics and Gynaecology, and will ordinarily comprise one or more years of study in the Pathological Institute followed by clinical research in the Royal Victoria Hospital. Applications should be made to the Dean of the Faculty of Medicine.

FELLOWSHIPS IN NEUROLOGY, NEUROPATHOLOGY, AND NEUROSURGERY.—A limited number of fellowships may be available in the Montreal Neurological Institute, to which inquiries should be directed.

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS (see page 666).

GORDON PHILLIPS FUND FOR RESEARCH IN CARDIOVASCULAR DISEASES.—This fund provides a scholarship, having a value of not less than $1,600, and is open to graduates in Medicine of any approved medical school. Candidates will be considered on equal terms regardless of sex, race or religion. Scholarships awarded to graduates of the Faculty of Medicine of McGill University may be held at McGill or at any approved institution in Canada or abroad. An award made to one who is not a graduate in Medicine of McGill University must be held at McGill University. Application for this scholarship must be made to the Secretary of the Faculty of Medicine prior to February 1st.

JEANNETTE VICTOR MEMORIAL SCHOLARSHIP.—This scholarship, of the value of $300, is open to graduates of any approved medical school and who are principally engaged in research upon the physiology of the heart, or its diseases; tenure of this award does not disqualify the scholar from holding another award or position. Application should be made to the Secretary of the Faculty of Medicine, prior to May 1st.

JOSEPH SCHUBERT MEMORIAL SCHOLARSHIP.—The terms of this award of $300 are similar to those of the Jeannette Victor Memorial Scholarship.

B. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT McGILL UNIVERSITY OR ELSEWHERE

OPEN TO GRADUATES IN TWO OR MORE FACULTIES

RUSSELL J. EDDY FOUNDATION SCHOLARSHIP.—This award, of $1,000 for the session, is tenable by a graduate of a Canadian university pursuing graduate work in Chemistry or Chemical Engineering at any approved institution; applications should be submitted to the Chemical Institute of Canada, 18 Rideau Street, Ottawa, before March 1st.

IMPERIAL OIL GRADUATE RESEARCH FELLOWSHIPS.—Five fellowships of $1,250, renewable up to three years, are offered annually by Imperial Oil Limited to graduates of approved Canadian universities for research leading towards a Doctor's degree at any approved university in the following fields:

Chemistry, Physics and/or Engineering	Two fellowships
Geology	One fellowship
Economics, Psychology, Sociology or Business Administration	One fellowship
Humanities such as English, Ancient and Modern Languages, History, Philosophy	One fellowship

Applications are forwarded by the University at which the undergraduate course was followed, and inquiries should be made at the Registrar's Office not later than February 1st or to the Secretary, Imperial Oil Scholarships Committee, 56 Church Street, Toronto 1. Completed applications must be submitted before March 1st.

McGILL DELTA UPSILON MEMORIAL SCHOLARSHIP.—Founded by the McGill Chapter of the Delta Upsilon Fraternity in memory of the members of that Chapter who gave their lives in the Boer War, the Great War of 1914-18, and the Second World War of 1939-45. This scholarship is open to graduates of the University in all faculties. The Selection Committee will consider: (a) the general scholarship of the candidate; (b) his need

of financial assistance for further study; (c) the general usefulness to the community of the special branch of study he proposes to follow; (d) the likelihood that the candidate will reflect credit on the University. The present value of the scholarship is $1,750. Application should be made in writing to the Registrar before April 1st.

NATIONAL CANCER INSTITUTE RESEARCH FELLOWSHIPS.—Fellowships of variable value, normally tenable in Canada, are offered in the field of cancer research to men or women graduates of approved universities. Application must be made on official forms to the National Cancer Institute of Canada, 800 Bay Street, Toronto 5, by December 15th.

NATIONAL RESEARCH COUNCIL SCHOLARSHIPS.—Bursaries and studentships of the value of $800 and $1,200 respectively, are awarded each year by the National Research Council to highly qualified graduates for study and research in Canada in Biology, Chemistry, Physics, Geology, Mathematics, Engineering, and Applied Psychology. They are open on equal terms to men and women, whose age should not exceed 30. Further particulars and application forms may be obtained from the Registrar's Office and applications should be made before February 1st. There are also "Summer Supplemental Scholarships" of $800. A limited number of Post-doctorate Overseas Research Fellowships are also available.

INTERNATIONAL NICKEL OF CANADA FELLOWSHIPS.—These awards of $2,000 (plus $500 for research expenses) are renewable up to three years, and are open in the fields of Metallurgy, Mining, Geology, and the Chemistry and Physics of Metals. Applications are made by the Professor directing the research rather than by the student, and should reach the Dean of the Graduate Faculty not later than February 1st; the awards are made by a committee of the National Conference of Canadian Universities.

ONTARIO RESEARCH FOUNDATION SCHOLARSHIPS AND FELLOWSHIPS.—The Ontario Research Foundation (43 Queen's Park, Toronto 5) offers annually a number of postgraduate scholarships and fellowships in science and engineering. These awards are tenable at any university in Ontario by Canadian students from any recognized Canadian university and tenable by Ontario students at universities elsewhere. The purpose of these awards is to enable students to undertake graduate studies leading to advanced degrees in the natural and physical sciences, pure and applied, such as Biology, Chemistry, Engineering, Forestry, Geography, Geology, Mathematics, Metallurgy, Mineralogy, and Physics. Scholarships of $1,000 may be awarded to applicants for their first year of postgraduate research. Scholarships of $1,400 may be awarded to applicants with one or two years' research experience following graduation. Scholarships in this category may be renewed. A supplement of $800 may be granted

for the four months preceding an academic term for which a scholarship has been awarded. Application must be made, on forms obtainable at the Graduate Faculty Office, before February 1st.

PROVINCE OF QUEBEC MINING BURSARIES (see page 655).

OPEN TO GRADUATES IN ARTS AND SCIENCE ONLY

CANADA COUNCIL SCHOLARSHIPS AND FELLOWSHIPS.—The Canada Council offers (a) scholarships of $1,200 tenable by students working for a Master's degree at a Canadian university, (b) fellowships of $2,000 plus travel allowance, for study leading to a Doctor's degree, in Canada or elsewhere, (c) senior fellowships of $4,000 plus travel allowance, for established scholars and teachers for study outside Canada, (d) scholarships of $2,000 for secondary school teachers seeking further training, etc. In all these cases awards are restricted to the arts, humanities, and social sciences; are restricted to residents in Canada or Canadians abroad; and must be applied for by January 15th. Application forms and further information may be obtained from the Secretary, The Canada Council, 140 Wellington Street, Ottawa.

ALLEN OLIVER FELLOWSHIP IN ECONOMICS.—This fellowship has been established by Mrs. Frank Oliver, of Edmonton, Alta., in "proud and loving memory of her son, the late Allen Oliver, M.C., B.A., Lieutenant, 26th Battery, C.F.A., who was killed in action at the Somme on November 18th, 1916." Lieutenant Oliver was an honour graduate in 1915 in the Department of Economics and Political Science. The fellowship is awarded annually to the student who stands highest in first class honours in the Department of Economics and Political Science at the final B.A. examination, and the holder is required to pursue his studies in Economics and Political Science at McGill University or elsewhere. The present value of the scholarship is about $750. No application is required.

LIONEL SHAPIRO SCHOLARSHIP.—An annual scholarship of $600 is awarded by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Chairman of the Department of English to a student in the Fourth year of the degree course who has demonstrated outstanding literary talent and is proceeding to graduate work at McGill University or elsewhere.

DOW-HICKSON FELLOWSHIP IN THEORETICAL PHILOSOPHY.—This fellowship was endowed by the late Professor J. W. A. Hickson. It has a minimum annual value of $1,750 and is tenable by a graduate of any approved university proceeding to a higher degreee in Theoretical Philosophy (Metaphysics, Epistemology, Logic, History of Philosophy) at McGill,

or by a McGill graduate pursuing such studies elsewhere. The holder may apply for a second year of tenure. Applications should reach the Dean of Graduate Studies not later than February 1st. In special cases the stipend may be increased, not to exceed $2,750.

DOW-HICKSON FELLOWSHIP IN PHYSICS.—This fellowship was endowed by the late Professor J. W. A. Hickson. It has a minimum annual value of $1,750 and is tenable by a graduate of any approved university proceeding to a higher degree in any branch of Physics at McGill, or by a McGill graduate pursuing such studies elsewhere. The holder may apply for a second year of tenure. Applications should reach the Dean of Graduate Studies not later than February 1st. In special cases the stipend may be increased, not to exceed $2,750.

WOODROW WILSON FELLOWSHIPS.—These Fellowships, tenable in the First year of graduate work, at any approved university, are awarded upon invitation only upon nomination by members of the academic profession and cannot be applied for.

OPEN TO GRADUATES IN LAW ONLY

EDWIN BOTSFORD BUSTEED SCHOLARSHIP.—Founded by the will of the late Mrs. Edwin Botsford Busteed in memory of her husband, Edwin Botsford Busteed, K.C., B.A., B.C.L., and is awarded to an applicant, chosen by the Faculty, who desires to carry out graduate research on some subject connected with the law of Quebec and approved by the Faculty. The value of the scholarship is approximately $240.

OPEN TO GRADUATES IN MEDICINE ONLY

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS (see page 666).

G. RUTHERFURD CAVERHILL FELLOWSHIP IN MEDICINE.—A fellowship of variable value to assist demobilized medical officers to obtain post-graduate training in medicine or research experience. Preference will be given to graduates of McGill University. Enquiries should be made of the Dean of the Faculty of Medicine.

JOHN MCCRAE FELLOWSHIP.—This fellowship of $1,000 may be awarded to candidates of the following types: (1) Graduates of any approved medical school who are candidates for the Diploma in Surgery, Urology, Otolaryngology, Radiology, etc., or (2) McGill graduates in Medicine, or (3) graduates of any approved medical school proceeding towards a McGill M.Sc. or Ph.D. in fields related to Surgery, etc., it being understood in all cases that the holder is expected to spend twelve months in full-time laboratory or clinical research at McGill or an approved institution elsewhere. Applications should be made to the Dean of the Faculty of

Medicine not later than May 1st, and should be accompanied by a letter of recommendation from a member of the teaching staff, a transcript of the undergraduate record, and a description of the proposed research indicating the institution selected and the person responsible for its direction. The period of tenure should commence not earlier than June nor later than October; a final report on the work done is required. In all cases preference will be given to candidates aiming at a course in Surgery, and to researches likely to contribute to Surgery and its branches.

NATIONAL RESEARCH COUNCIL MEDICAL FELLOWSHIPS.—These are designed to promote training and research in one of the medical sciences (not for clinical training), and have values of $1,800, $2,200, or from $2,200 to $3,500 for those with previous research experience. Applications should be submitted to the National Research Council before February 1st.

OSLER MEMORIAL SCHOLARSHIP.—This scholarship is normally awarded by the Canadian Medical Association every third year to a candidate nominated by the Faculty of Medicine "in order that such candidate may pursue studies to advance the knowledge of medicine and to improve the teaching of clinical medicine." Candidates must be graduates of not more than ten years' standing and, other things being equal, preference will be given to a graduate of McGill University.

GORDON PHILLIPS FUND (see page 697).

J. FRANCIS WILLIAMS SCHOLARSHIP IN MEDICINE AND CLINICAL MEDICINE.—This scholarship of the annual value of $500, founded by the late J. Francis Williams, M.D., to be awarded on the result of a special examination open to students of the final year who have had a high general scholastic standing and who are approved by the Chairman of the Department of Medicine.

C. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT OTHER UNIVERSITIES ONLY

(*See also Section B*)

NOTE: The Committee on Research is at times able to make supplementary grants, not exceeding $400, to holders of travelling fellowships who can establish that the normal stipend is insufficient; enquiries should be directed to the Dean of the Graduate Faculty.

OPEN TO GRADUATES IN SEVERAL FACULTIES

COLONIAL RESEARCH GRANTS.—The Colonial Social Science Research Council, Room S. 612, Colonial Office, Sanctuary Buildings, Great Smith St., London, S.W. 1, will, about June 15th, make grants of £500-£800 per

annum to selected Honours graduates in the social sciences, including history and law; the tenure is normally 2½ years of which two years will be spent in study and research in one of the British Colonial territories.

SCIENCE SCHOLARSHIPS GRANTED BY HER MAJESTY'S COMMISSIONERS FOR THE EXHIBITION OF 1851.—These scholarships, of £550 sterling a year, with an additional grant of £25-£100 a year to cover University fees, etc., are tenable for two or, exceptionally, three years; to this, the National Research Council of Canada adds an additional stipend of £250. They are to enable students to devote themselves to research work under conditions must likely to equip them for practical service in the scientific life of the Commonwealth. The holder is required to devote himself to research, the particular nature of which must be approved by the Commissioners. Three of these scholarships, which are tenable at any institution approved by the Commission, are allotted to Canada each year, the scholars being chosen by the Commission from the nominees of certain universities, among which McGill is included. Candidates will in most cases have completed from one to three years of postgraduate study and must present evidence of accomplishment in research, either in the form of published papers or as typewritten reports or theses. The scholarships are usually held at universities in the United Kingdom. Candidates should apply, not later than January 15th, through the Chairman of their Department. Details concerning the regulations may be obtained from the Registrar's Office.

RUTHERFORD SCHOLARSHIP.—This scholarship is awarded for experimental research in any branch of the natural sciences, preference being given to experimental physics. The scholarship will be tenable for three years in some part of the British Commonwealth other than that in which the applicant graduated. It will not normally be awarded to a graduate who has already held a senior research award. The value of the scholarship will be adjusted to meet the circumstances of the appointment but if held in the United Kingdom it will be between £650 and £850 per annum. Additional allowances will be granted for travel, university fees, etc. Application from university graduates outside the United Kingdom should be made through their universities on forms of application for the 1851 Exhibition Science Research Scholarship not later than January 15th. Further details may be obtained from the Registrar's Office. The award will be made by the Royal Society.

EXCHANGE FELLOWSHIP WITH THE UNIVERSITY OF GLASGOW.—An exchange fellowship has been established whereby a McGill graduate may spend a session of postgraduate work in the University of Glasgow. McGill University provides $400 towards the cost of transportation; Glasgow provides tuition, room, and board from October 1st to June 30th with an

additional allowance of £50. Recommended fields of study are Chemistry, Physics, Zoology, Marine Biology, Botany, Geology, Economics, and the Medical Sciences. Application should be made to the Dean of the Graduate Faculty by February 1st; preference will be given to applicants who are Canadian and who have studied at McGill for several years.

POSTGRADUATE SCHOLARSHIPS GRANTED BY THE IMPERIAL ORDER DAUGHTERS OF THE EMPIRE.—Nine scholarships, in memory of the men and women who gave their lives in defence of the Empire in World War I, are offered annually—one for each province. They are of the value of $2,000 and have been founded "to enable students to carry on studies at any university in the United Kingdom, in British and Imperial History, the Economics and Government of the Empire and Dominion, or any subject vital to the interests of the Empire."

Four additional postgraduate scholarships of $2,000 each have been established by the Imperial Order Daughters of the Empire in memory of the men and women who gave their lives in defence of the Empire in World War II. These scholarships are offered annually to enable students to carry on postgraduate work in History, Philosophy, English, or French Literature and are tenable at any University in the British Empire. They may be awarded for a second year to the same candidate. Candidates must have graduated from a Canadian university or college and have done or be doing postgraduate work.

Full details may be obtained from the Registrar's Office or from the Provincial Educational Secretary of the Order in any Canadian Province. In Quebec the address is 4112 Western Ave., Westmount, Quebec. Applications must be submitted by October 15th.

NUFFIELD FOUNDATION FELLOWSHIPS.—These awards are made in the Natural Sciences and in the Humanities and Social Sciences, and are open to Canadians 25 to 35 years old who have at least a year's teaching or research experience beyond the level of the Ph.D. degree. They are tenable in the United Kingdom, their value being £770-£890 plus a travel grant. Application forms may be obtained from Mr. G. V. Ferguson, 245 St. James St. West, Montreal, and should be submitted by January 15th at latest.

PROVINCE OF QUEBEC POSTGRADUATE SCHOLARSHIPS.—A number of scholarships are granted annually by the Government of the Province to graduates who wish to complete their studies outside Canada. The value of these scholarships will not exceed $2,000 per annum. They are awarded in the first instance for one year, but their tenure may be extended for a second year if the work of the holder is satisfactory. Candidates must be bona-fide residents of the Province of Quebec and preference is given to those who intend to carry on teaching or research work in Canadian universities

or schools on their return to Canada. Each letter of application should state the candidate's age at next birthday, his subject of study, and the institution he plans to attend, and should be accompanied by two testimonials from members of his faculty and two additional references from responsible citizens. The awards are generally announced by the Provincial Government at the end of July each year. Applications should be addressed to the Registrar and submitted not later than the 1st of April.

RHODES SCHOLARSHIPS.—These scholarships of £750 a year are tenable for two years at the University of Oxford. A third year may be granted under certain conditions. Candidates must be British subjects with at least five years domicile in Canada and be between the ages of nineteen and twenty-five. Two scholars are chosen annually from the Province of Quebec, and men students in any faculty may apply. Applications must be in the hands of the Secretary of the Provincial Selection Committee not later than November 1st. Further details of tenure, eligibility, and qualifications, and application forms may be obtained from the Registrar's Office, or the Provincial Secretary, Mr. Claude Gagnon, Q.C., 100 D'Youville, Quebec City.

CANADIAN GOVERNMENT OVERSEAS AWARDS.—The Royal Society administers the Canadian Government Overseas Awards in the Arts, Letters, and Sciences. These consist of Fellowships of $4,000 for senior scholars and Scholarships of $2,000 for students with the M.A. degree or equivalent and are tenable in France, The Netherlands, Great Britain, and Italy. Return ocean fare is paid in addition to the amount of the award. Application forms may be obtained from the Royal Society of Canada, National Research Building, Ottawa and must be submitted before April 1st.

SHELL POSTGRADUATE SCHOLARSHIPS.—Two scholarships of £750 per annum are offered for study at a university in the United Kingdom in Chemistry, Physics, Geology or Engineering, leading to a higher degree. The holder should be a male British (or Commonwealth) subject and have completed at least one year of postgraduate study. The closing date for applications is January 31st; further information may be obtained from the office of the Dean of the Graduate Faculty.

SWISS EXCHANGE SCHOLARSHIPS.—Two postgraduate exchange scholarships are offered annually tenable at the following Swiss universities:

University of Basel
University of Berne
University of Geneva
University of Zurich
Institute of Economic and Political Sciences, St. Gall
Federal Institute of Technology, Zurich.

These scholarships cover the cost of tuition fees only. Candidates must be prepared to pay all travelling costs and all incidental expenses such as books, living expenses, cost of vacation periods, etc. Candidates must be recommended by McGill University and have a good scholastic record, a satisfactory knowledge of French or German, and good health. The scholarships are open to both men and women of any faculty. Applications should be made to the Registrar by April 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S PROFESSIONAL FELLOWSHIP.—This fellowship of $1,000 is open to any woman holding a degree from a Canadian University who is not more than 35 years of age at the time of award and whose domicile is in Canada. The proposed place and plan of study must be approved by the Fellowship Committee. The award will be based on evidence of character, intellectual achievement, and promise. Preference will be given to candidates who have completed one or more years of professional work and who desire to spend a year at an accredited Library School, College of Education, or similar professional school. Full information can be obtained from the Chairman of the Fellowship Committee, Dr. Mary Winspear, 18 Severn Ave., Westmount, Quebec. Application and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S TRAVELLING FELLOWSHIP.—This fellowship of $2,500 is open to any woman holding a degree from a Canadian university who is not more than 35 years of age at the time of award and whose domicile is in Canada, although she may be studying elsewhere at the date of application. The award is based on evidence of character, intellectual achievement, and promise. Preference will be given to candidates who have completed one or more years of graduate study and who have a definite course of study or research in view. The general policy will be to grant the fellowship alternately to students engaged in scientific research and to those engaged in research in the humanities. Full information can be obtained from the Chairman of the Fellowship Committee, Dr. Mary Winspear, 18 Severn Ave., Westmount, Quebec. Applications and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S JUNIOR FELLOWSHIP.—This fellowship of the value of $1,500 is open to any woman graduate of a Canadian university who is not more than 25 years of age at the time of award and whose domicile is in Canada, although she may be studying elsewhere at the date of application. The award will be based on evidence of character, intellectual achievement, and promise. The proposed place and plan of study must be approved by the Committee. Preference will be given to students who have studied in only one university and who desire to continue their studies in another. Full information can be

obtained from the Chairman of the Fellowship Committee, Dr. Mary Winspear, 18 Severn Ave., Westmount, Quebec. Applications and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S MARGARET MCWILLIAMS FELLOWSHIP.—This fellowship of $2,000 is open to any woman who is not more than 35 years of age at the time of award, holding a degree from a Canadian university who wishes to carry out postgraduate study or research abroad. The proposed place and plan of study must be approved by the Canadian Federation Fellowship Committee. The award will be based on evidence of character, achievement, and promise. Preference will be given to candidates who have started their graduate study and who have a definite course of study or research in view. Full information can be obtained from the Chairman of the Fellowship Committee, Dr. Mary Winspear, 18 Severn Ave., Westmount, Quebec. Applications and testimonials must be received before February 1st.

FRANK KNOX FELLOWSHIPS.—These awards of $2,800 are tenable only in one of the Faculties of Harvard University by male Canadian students, not resident in the United States, who have graduated or are about to graduate from a Canadian university or college at which they have spent at least two of the last four years; enquiries may be made at the office of the Dean of the Graduate Faculty up to March 1st.

JOHNSON FOUNDATION SCHOLARSHIPS.—The Johnson Foundation of Racine, Wisconsin, and S. C. Johnson and Son, Limited, Brantford, Ontario, offer at least one scholarship to undergraduate or graduate students in Canadian universities enabling them to spend a year in an American university of his or her selection in economics, business administration, chemistry, engineering, law, medicine, teaching, etc. The award covers the reasonable expenses of travel to and study in the United States for one year for worthy and needy male or female students. Candidates must be Canadian citizens. Preliminary applications on special forms must be in Brantford by December 31st. Further information and application forms may be obtained from the Registrar's Office.

ROTARY FOUNDATION FELLOWSHIPS.—Each year Rotary International offers a number of fellowships for advanced study to graduates of recognized universities as an opportunity for young men and women of all nationalities, races and creeds to live, study, and travel in countries other than their own so that they may better understand the way of life and thinking of peoples of these other countries and make some contribution towards international understanding, good will, and peace.

Each fellowship provides return transportation from the student's home to the city in which he is to study, and also registration and tuition fees, essential books, room and board, incidental living costs and the cost of limited educational travel within the country of study.

Study under a Fellowship may be taken in any country in which there are Rotary Clubs. Preference will be given to Canadian students desiring to study in a country whose language is other than English and French.

Candidates must have a Bachelor's degree or expect to receive a Bachelor's degree before June 30th, 1960. They must be not less than 20 years of age and not more than 28 and must be highly qualified, personally and academically, and give satisfactory evidence of strong potential leadership. Candidates may be male or female, married or single.

Candidates must be interested in and have an extensive knowledge of current affairs of international significance. They should have a good understanding of the history, culture, economics, geography, etc., of the country in which they are to study and be able to read, write, and speak fluently the language of that country.

Final application must be typewritten in duplicate and presented with required attachments to the International Service Committee, Rotary Club of Montreal, Sheraton-Mount Royal Hotel, Montreal, not later than August 1st.

Further information may be obtained from the Rotary Club or from the Registrar's Office.

OPEN TO GRADUATES IN ARCHITECTURE

A. F. DUNLOP SCHOLARSHIPS.—This scholarship of approximately $1,500 was established in 1951 by the will of the late Mrs. Catherine A. Dunlop as a travelling scholarship for students graduating in Architecture. Applications stating proposed study, localities to be visited and proposed date of departure should be sent to the Director of the School of Architecture before March 31st.

HUGH MCLENNAN MEMORIAL SCHOLARSHIP.—Established by the Hon. John Stewart McLennan and Dr. Francis and Miss Isabella McLennan in memory of Hugh McLennan, son of the Hon. John Stewart McLennan, killed at the Battle of Ypres in 1915. The amount of this scholarship is $1,000. It will be awarded to the student graduating in Architecture who during his course has shown the greatest capacity in the solution of problems and who gives promise of creative ability.

OPEN TO GRADUATES IN ARTS AND SCIENCE

MOYSE TRAVELLING SCHOLARSHIPS.—The Moyse Travelling Scholarships were founded by the late Right Honourable Lord Atholstan, to commemorate the "splendid services of Dr. Charles E. Moyse, for forty-two

years Professor of English, during sixteen of which he was Dean of the Faculty of Arts and Vice-Principal of the University." Two scholarships, each tenable for one year, are awarded by the Faculty of Arts and Science, one for distinction in literary subjects, and the other for distinction in scientific subjects. If a deserving applicant in one of these divisions is not forthcoming, both scholarships may be awarded to applicants who belong to the other. The holder must devote the period of the tenure of the scholarship to advanced study, preferably in a British or European university, but not to the exclusion of other universities. The scholarships are normally of the value of $1,500 each. Applications should be made to the Dean of the Faculty of Arts and Science not later than April 1st. Applications should be accompanied by:

(1) an official transcript of the applicant's academic record to date.

(2) the names of two referees who are familiar with the applicant's work.

(3) a statement, as precise and particular as possible, of the course of study which the applicant proposes to pursue if awarded the scholarship; the institution or centre at which he, or she, proposes to study; and the purpose to which the study is to be directed.

(4) a statement of the applicant's age and nationality.

GUY DRUMMOND SCHOLARSHIP IN POLITICAL SCIENCE AND ECONOMICS.—This scholarship, open to men only, originally endowed by the late Guy M. Drummond, is awarded annually by the University Scholarships Committee to a graduating student in the Faculty of Arts and Science nominated jointly by the Department of Economics and Political Science and the Department of Romance Languages. In making the nomination the two Departments will take into account the student's academic record and the likelihood that he will make a contribution of value to Canadian life. The student nominated must be taking the honours course in Political Science. Selection of the scholar is made on the initiative of the University Scholarships Committee. It is not applied for by the candidate. The value of the Scholarship is $2,600. $2,000 of this covers a year of study in Paris and the remaining $600 a further year at McGill University studying for the M.A. degree. In Paris, the holder will study at the Institut d'Etudes Politiques unless he wishes to specialize in Economics rather than Political Science and has been granted permission by McGill University to study at the Sorbonne or at the Institut d'Economie Appliquée.

MACKENZIE KING TRAVELLING SCHOLARSHIPS.—From six to eight scholarships of $1,500 each are offered annually to graduates of any Canadian university who propose to engage, either in the United States or the United

Kingdom, in postgraduate studies in the fields of International or Industrial Relations. Applicants should be persons of unusual worth and promise. Awards will be determined on the basis of academic achievement, personal qualities and demonstrated aptitudes. Consideration will also be given to the applicants' proposed programmes of study. Applications must be submitted by April 15th. Further information may be obtained from the Registrar's Office.

OPEN TO GRADUATES IN ENGINEERING

ATHLONE FELLOWSHIPS.—These fellowships are awarded annually by Her Majesty's Government in the United Kingdom to enable Canadian engineering graduates to take postgraduate training in the United Kingdom. The fellowships fall into two groups: Group A, available for graduates on completion of a bachelor's or higher degree; Group B, for engineers who have already spent some time in industry. The fellowships provide for a period of two years in the United Kingdom and are awarded on the understanding that their holders afterwards return to Canada to follow their careers. They are available for any among the following options but preference is given for courses involving works experience: (1) Works training in one or more approved industrial organizations. (2) Postgraduate studies in a United Kingdom university or college or research establishment. (3) A combination of (1) and (2) (4) Research in a United Kingdom University leading to the degrees of M.Sc. or Ph.D. Each fellowship covers the cost of travel from home to the United Kingdom and return, the cost of approved university or college tuition and other fees, maintenance allowance, and a travelling allowance of £25 extra within the United Kingdom for educational and cultural purposes. Further information and application forms may be obtained from Canadian University Registrars. The closing date for receipt of applications is January 15th.

OPEN TO GRADUATES IN LAW

MACDONALD TRAVELLING SCHOLARSHIP.—This scholarship was founded by the will of the late Sir William Macdonald "for the purpose of enabling English-speaking Law students to take a course of studies in France," the testator "deeming it of great importance that the English-speaking members of the legal profession should be proficient in the French language." The value of the scholarship is approximately $1,200. The scholar elected is required to pursue a year's study in the Law Faculty of a French university approved in each case by the McGill Faculty of Law. The award is made at the discretion of the Faculty to a student of the graduating class, proceeding to the Bar, who has obtained first or second class honours in the final examination and who would be unable without such financial help to spend a year in France. The Faculty interprets the

will of the late Sir William Macdonald as intending that the scholarship be awarded only to men students preparing for practice as advocates in the Province of Quebec. Under the present regulations the Scholarship must be used in the year in which it is awarded.

OPEN TO GRADUATES IN MEDICINE

NUFFIELD FOUNDATION MEDICAL TRAVELLING FELLOWSHIPS.—These awards of £770 to £890 plus travelling allowances are open to Canadian nationals between 25 and 30 years of age who hold recognized medical qualifications. Candidates must possess the talents and personal inclinations which afford good promise of their ability to advance knowledge and education in some branch of medicine as teachers or research workers. The fellowships are tenable at approved institutes in the United Kingdom. The fellow will be expected to resume residence in Canada on completion of the fellowship. Applications should be made to the General Secretary, National Research Council, Ottawa, Ontario, before January 1st.

FELLOWSHIPS OFFERED BY OTHER UNIVERSITIES

Graduates of McGill University who desire to undertake graduate study elsewhere should note that many universities offer fellowships and scholarships for which they may be eligible. Particulars of many of these may be obtained in the Registrar's Office. In many cases applications should be prepared not later than the January preceding the session for which the award is made.

D. FELLOWSHIPS AND SCHOLARSHIPS OPEN TO GRADUATES OF OTHER INSTITUTIONS FOR STUDY AT McGILL UNIVERSITY

A number of the awards listed in the preceding pages (Sections A and B) may be held by graduates of other institutions while pursuing graduate study at McGill University; these are listed below.

VARIOUS SUBJECTS

IMPERIAL OIL GRADUATE RESEARCH FELLOWSHIPS (see page 698).

INTERNATIONAL NICKEL CO. OF CANADA FELLOWSHIPS (see page 699).

SAMUEL LAPITSKY SCHOLARSHIP (see page 694).

NATIONAL RESEARCH COUNCIL SCHOLARSHIPS (see page 699).

ONTARIO RESEARCH FOUNDATION SCHOLARSHIPS (see page 699).

SOLVAY FELLOWSHIP (see page 692).

ARTHUR C. TAGGE FELLOWSHIP AND UNIVERSITY FELLOWSHIPS (see page 695)

UNION CARBIDE RESEARCH FELLOWSHIPS (see page 695).

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S FELLOWSHIPS (see page 706).

MCGILL UNIVERSITY CARNEGIE ARCTIC FELLOWSHIPS (see page 691).

AGRICULTURE

COMINCO FELLOWSHIP (see page 690).

WALTER M. STEWART SCHOLARSHIP (see page 693).

BIOLOGICAL SCIENCES

PHILIP CARPENTER FELLOWSHIP (see page 694).

CHEMISTRY

ALLIED CHEMICAL AND DYE CORPORATION FELLOWSHIP (see page 689).

AMERICAN VISCOSE CORPORATION FELLOWSHIP (see page 689).

C-I-L FELLOWSHIPS (see page 689).

CELANESE FELLOWSHIP (see page 689).

COMINCO FELLOWSHIP (see page 690).

RUSSELL J. EDDY FOUNDATION SCHOLARSHIP (see page 698).

GOTTESMAN FELLOWSHIP (see page 690).

T. STERRY HUNT RESEARCH SCHOLARSHIP (see page 691).

SHELL OIL FELLOWSHIP (see page 692).

SPRUCE FALLS POWER AND PAPER COMPANY FELLOWSHIP (see page 692).

ECONOMICS

BRONFMAN FELLOWSHIPS (see page 694).

ALEXANDER MACKENZIE FELLOWSHIP (see page 695).

ENGINEERING

COMINCO FELLOWSHIP (see page 690).

MIRON FELLOWSHIP (see page 688).

JOHN BONSALL PORTER SCHOLARSHIP (see page 691).

SHELL OIL FELLOWSHIP (see page 692).

SPRUCE FALLS POWER AND PAPER COMPANY FELLOWSHIP (see page 692).

GEOLOGY

LEROY MEMORIAL FELLOWSHIP (see page 691).

SHELL OIL FELLOWSHIP (see page 692).

IMPERIAL OIL FELLOWSHIPS (see page 698).

WILLIAM HENRY HOWARD SCHOLARSHIPS (see page 652).

MEDICINE AND MEDICAL SCIENCES

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS (see page 666).

A. A. BROWNE MEMORIAL FUND (see page 696).

G. RUTHERFURD CAVERHILL FELLOWSHIP (see page 701).

J. B. COLLIP FELLOWSHIP (see page 690).

JAMES COOPER FUND (see page 697).

JAMES DOUGLAS FELLOWSHIP (see page 697).

BLANCHE HUTCHINSON FUND (see page 697).

JOHN MCCRAE FELLOWSHIP (see page 701).

H. W. MOLSON FELLOWSHIP (see page 697).

FELLOWSHIPS IN NEUROLOGY (see page 697).

OSLER MEMORIAL SCHOLARSHIP (see page 702).

GORDON PHILLIPS FUND (see page 697).

JOSEPH SCHUBERT MEMORIAL SCHOLARSHIP (see page 698).

JEANNETTE VICTOR MEMORIAL SCHOLARSHIP (see page 698).

HARRISON WATSON SCHOLARSHIP (see page 693).

PHYSICS

SHELL OIL FELLOWSHIP (see page 692).

DOW-HICKSON FELLOWSHIP (see page 700).

The attention of applicants for admission to the Faculty of Graduate Studies is also drawn to the existence of demonstratorships and instructorships in certain departments (see page 688).

N.B.—From time to time scholarships, fellowships, or research grants are made available by industrial corporations to encourage research by graduate students upon specific problems suitable for M.Sc., M.Eng., or Ph.D. theses and for publication, but also of commercial significance. As such awards may be offered for only one or two sessions, it is not possible to have them listed in this Announcement; the Departments concerned should be consulted.

LOAN FUNDS

GRADUATE STUDENTS' LOAN FUND.—Established in 1951 by the Board of Governors for students in the Faculty of Graduate Studies and Research. Applications should be made to the Student Aid Officer.

OTHER LOAN FUNDS.—For loan funds open to students in all faculties see page 630.

V. SCHOLARSHIPS, PRIZES, AND MEDALS IN VARIOUS SCHOOLS OF THE UNIVERSITY

OPEN TO STUDENTS IN THE LIBRARY SCHOOL

For scholarships and bursaries open to undergraduates in all Faculties see page 622.

NATIONAL SCHOLARSHIPS (see page 611).

DR. G. R. LOMER SCHOLARSHIPS.—Two scholarships of $400 each. Applications should be made to the Library School before July 1st.

GROLIER SOCIETY SCHOLARSHIP.—A scholarship of $250 established by the Grolier Society of Canada Limited.

MCGILL UNIVERSITY ALUMNI SCHOLARSHIP.—Applications should be made to the Library School.

ETHELWYN M. CROSSLEY SCHOLARSHIPS.—This fund was founded in honour of a former student of the Library School. Women students are given preference.

ELIZABETH G. HALL SCHOLARSHIPS.—This fund was founded in memory of a former member of the McGill University Library staff.

Awards are made, after due investigation and recommendation, to deserving students who require financial assistance to take the course. Application should be made to the Director of the Library School.

LOAN FUNDS.—See page 630.

OPEN TO STUDENTS IN THE FRENCH SUMMER SCHOOL

FRENCH SUMMER SCHOOL SCHOLARSHIPS.—A number of Resident Scholarships varying in value from $75 to $150 are offered to teachers and to students of colleges and universities who are qualified to enter Section B (Intermediate) or Section C (Advanced). (*See French Summer School Announcement.*)

OPEN TO STUDENTS ENTERING THE SCHOOL FOR GRADUATE NURSES

OPEN TO BASIC NURSING (B.Sc.(N)) STUDENTS AND GRADUATE NURSES:

NATIONAL SCHOLARSHIPS (see page 611).

OTHER ENTRANCE SCHOLARSHIPS (see pages 611-621).

UNIVERSITY SCHOLARSHIPS AND BURSARIES (see page 622).

VICTORIAN ORDER OF NURSES FOR CANADA BURSARIES (see page 716).

OPEN TO GRADUATE NURSES ONLY:

ALEXANDRA HOSPITAL SCHOLARSHIP.—The Board of Governors offers a scholarship in the form of full maintenance at the hospital during a year's study at the School for Graduate Nurses. Only members of the hospital nursing staff are eligible.

ALUMNAE ASSOCIATION OF THE SCHOOL FOR GRADUATE NURSES SCHOLARSHIP.—In memory of Dr. Marion Lindeburg, the Alumnae Association has established an annual scholarship of $500. This scholarship is open to graduate, registered nurses who wish to study at the School for Graduate Nurses, and who meet the entrance requirements. Applications should be submitted by June 15th to the Chairman of the Scholarship Committee, Alumnae Association, 1266 Pine Ave. West, Montreal.

ASSOCIATION OF NURSES OF THE PROVINCE OF QUEBEC BURSARIES:

(a) Two bursaries of $600 are customarily offered to practising members in good standing of the Association of Nurses of the Province of Quebec whose qualifications are acceptable to a university for any approved course.

(b) District No. 11 (English Chapter) Association of Nurses of the Province of Quebec offers a bursary of $1,500 to a member of the Chapter, whose qualifications are acceptable to a university. The nurse who accepts the bursary will be expected to work in the Province of Quebec for two years following the completion of her course.

MONTREAL CHILDREN'S HOSPITAL SCHOOL OF NURSING SCHOLARSHIP.—The Board of Governors offers a scholarship in the form of lodging at the hospital during one year's study at the School for Graduate Nurses. Those accepting the scholarship are required to work for one year at the Montreal Children's Hospital on completion of the course.

MONTREAL GENERAL HOSPITAL SCHOOL OF NURSING BURSARIES.—Bursaries are provided annually by the Montreal General Hospital to graduate nurses for study to prepare them for administrative and teaching positions.

ROYAL VICTORIA HOSPITAL SCHOOL OF NURSING SCHOLARSHIPS:

(a) The Mabel F. Hersey Scholarship is given annually by the Board of Governors for a year of postgraduate study at the School for Graduate Nurses, McGill University.

(b) The Emma Thomas Scholarship is offered annually for postgraduate study.

(c) The Ida McGregor Scholarship is offered annually for postgraduate study.

VICTORIAN ORDER OF NURSES FOR CANADA BURSARIES.—The Victorian Order of Nurses for Canada offers bursaries of $1,000 to nurses to assist them in taking preparation in Public Health Nursing. Following their course, the recipients are obligated to work one year for the Victorian Order of Nurses in the area where their services are most urgently needed. Bursaries are also available to students in the final year of the Basic Nursing Degree course which includes preparation in public health nursing.

QUEEN ELIZABETH HOSPITAL SCHOLARSHIP.—The *Martha Warren Scholarship* of $500 may be given, all or in part, by the Alumnae Association of the Queen Elizabeth Hospital School of Nursing to any Alumnae member, or members, who wish financial help for postgraduate study. Application for the scholarship must be submitted on or before April 25th of each year. The nurse accepting this scholarship is expected to work in the Queen Elizabeth Hospital for one year following completion of her course provided there is a position open in her field of study.

REDDY MEMORIAL HOSPITAL BURSARY.—The Board of Directors offers a bursary to assist with a year's study at the School for Graduate Nurses. Only graduates of the School of Nursing or Staff Nurses in connection with the Hospital are eligible and should apply to the Director of Nursing.

GOVERNMENT BURSARIES.—A limited number of bursaries are made available through the School by the Province of Quebec for nurses who wish to remain in the province.

KELLOGG FOUNDATION LOAN FUND.—Through the generosity of the Foundation, this fund has been established to assist graduate nurses who have unexpected expenses while registered in courses at the school. For further particulars applicants should consult the Director of the School for Graduate Nurses.

OPEN TO STUDENTS IN THE SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY

For scholarships, bursaries, and loan funds open to undergraduates in all faculties see page 622.

OPEN TO DEGREE STUDENTS

NATIONAL SCHOLARSHIPS (see page 611).

OTHER ENTRANCE SCHOLARSHIPS (see pages 611 - 621).

UNIVERSITY SCHOLARSHIPS (see page 622).

CANADIAN PHYSIOTHERAPY ASSOCIATION BOOK PRIZE.—Awarded annually to the student with the highest standing in the final year of the Degree Course.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—Awarded to the student with the highest standing throughout the Degree Course.

OPEN TO DIPLOMA STUDENTS

DR. F. G. FINLEY BOOK PRIZE.—Awarded annually to the student with the highest standing in the Third year of the Diploma Course in Physical Therapy.

QUEBEC SOCIETY OF OCCUPATIONAL THERAPY BOOK PRIZE.—Awarded annually to the student with the highest standing in the practical application of Occupational Therapy in the Third year of the Diploma Course.

OPEN TO STUDENTS IN THE SCHOOL OF SOCIAL WORK

For scholarships, bursaries and loan funds open to undergraduates in all faculties see page 622.

NATIONAL SCHOLARSHIPS (see page 611).

A number of bursaries are available for each session.

Substantial financial assistance may be given under the Federal, Provincial Health Grants to students desiring to qualify in psychiatric and medical social work.

Similar assistance is also available through some Provincial Governments in Canada and State Governments in the United States. Prospective students, other than those from Quebec, interested in obtaining such financial assistance should make inquiry through their provincial or state government. Overseas students should inquire of their governments of the availability of United Nations and Colombo Plan Study Grants.

A limited number of bursaries supported by private organizations are available.

While awards are made only to students of attainment and promise, the financial needs of applicants will receive consideration. Inquiries should be addressed to the Director.

Loans are available from the Social Work Alumni and Southam Loan Funds; from the Pi Beta Phi Loan Fund established for the use of students in financing their training or in meeting temporary or emergency needs and from a few private welfare organizations on arrangements made by the School.

Inquiries regarding University assistance, other than here mentioned, should be made to the Registrar of McGill University.

BERLINER STUDENT LOAN FUND (see page 630).

OTHER LOAN FUNDS (see page 630).

VI. MEDALS AND PRIZES IN THE DEPARTMENT OF ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

I. FOR MEN

WICKSTEED MEDALS.—The Wicksteed silver and bronze medals for physical education (the gift of the late Dr. R. J. Wicksteed) are offered for competition to students of the graduating class and to students who have had instruction in the gymnasium for two sessions; the silver medal to the former, the bronze medal to the latter. The award of these medals is made by judges appointed by the University. The medal is not awarded to any student who fails in his examinations for the degree.

DR. F. W. HARVEY CUP.—Awarded to the winner of the Freshmen group in the Wicksteed Gymnastic Competition.

D. STUART FORBES TROPHY.—Awarded to the McGill student who, in the opinion of the Student's Athletics Council, has brought most credit to the University by reason of his athletic achievements.

DR. CHARLES F. MARTIN LAWN TENNIS TROPHY.—Presented by the late Walter Vaughan, a former Bursar, in honour of Dr. Charles F. Martin, this trophy is open for competition to undergraduate students of McGill University and is awarded to the winner of the annual singles competition. A miniature is presented to the winner for his retention.

WARREN HURD MEMORIAL TROPHY.—For the undergraduate half-mile champion in Track.

FOOTBALL TROPHIES

FRED WIGLE MEMORIAL TROPHY.—For the most sportsmanlike Senior Football player.

CLAIRE MUSSEN MEMORIAL TROPHY.—For the most valuable Intermediate Football player.

McGILL TOUCHDOWN CLUB TROPHY.—For the most valuable Lineman in Senior Football.

LOIS OBECK TROPHY.—For the most improved Senior Football player of the year.

W. S. LEA MEMORIAL TROPHY.—For the most valuable Senior Football player.

HOCKEY TROPHIES

DR. BOBBY BELL MEMORIAL TROPHY.—For the most valuable Senior Hockey player.

BERT FYON TROPHY.—For the most improved player on the Senior Hockey Team.

I. FOR WOMEN

DR. CHARLES F. MARTIN LAWN TENNIS TROPHY.—Presented by the late Walter Vaughan, a former Bursar, in honour of Dr. Charles F. Martin, this trophy is open for competition to undergraduate students of McGill University and is awarded to the winner of the annual singles competition. A miniature is presented to the winner for her retention.

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McGill University

Montreal

Faculty of Arts and Science

1959-1960

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School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
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Faculty of Arts and Science

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SESSION 1959-60

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A complete list of the teaching staff of the University, including the Faculty of Arts and Science, is printed as a separate Announcement which may be obtained from the Registrar's Office.

The Faculty of Arts and Science

(McGILL COLLEGE)

THE FACULTY AND ITS DEGREES

The undergraduate work of the University in Arts, in Pure Science, and in Commerce is done in McGill College, usually called the Faculty of Arts and Science. The Dean of McGill College is the Dean of the Faculty of Arts and Science. The following degrees are awarded in Faculty:

Bachelor of Arts (*B.A.*),
Bachelor of Science (*B.Sc.*),
Bachelor of Commerce (*B.Com.*),
Bachelor of Education (*B.Ed.*),

In the case of the first three of these degrees, the Faculty offers both a General Degree and an Honours Degree.

The Library School and the School of Social Work are integral parts of the Faculty which, therefore, recommends, to Senate, candidates for the degrees of *Bachelor of Library Science and Master of Social Work.*

The work of students who are candidates for the degrees of Bachelor of Commerce and Bachelor of Education is supervised, under the Dean, by the Directors of the School of Commerce and of the Institute of Education, respectively. While the School and the Institute are integral parts of the Faculty, each has a separate Announcement.

APPLICATION FOR ADMISSION

All applications to enter the Faculty of Arts and Science must be made on forms which may be obtained from the Registrar's Office. Each applicant from a High School should see that a confidential report is sent from his Principal to the Registrar, since such a report is necessary for the consideration of the application. Completed applications must reach the Registrar before August 31st, but it is advantageous for students to submit formal applications in the Spring months, supplementing them, if necessary, with the required certificates as soon as these become available.

Each accepted candidate will receive a formal acceptance into a definite course and year, and this must be kept for presentation at Registration.

The number of admissions is limited and the College is not bound to accept applicants who have passed the required examinations.

MINIMUM AGE

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

WOMEN STUDENTS

Women are admitted to the courses and to the degrees of the Faculty on the same terms as men.

Women students whose homes are outside Montreal must make application, before May 31st, to the Warden of the Royal Victoria College for residence. At the same time, they must submit their academic applications (even if these are incomplete). Forms for these purposes are obtainable from the College or from the Registrar's Office.

Those women students in the Faculty who do not reside with their parents or guardians in Montreal and who wish to live outside the University residences are required to submit their plans for residence, in writing, to the Warden and to obtain written approval. Students in this category who are entering the University for the first time must, in all cases, fill out residential application blanks when the academic application is submitted.

ENTRANCE REQUIREMENTS (For the Session 1959-60)

See General Announcement for details.

Students may be admitted into the Faculty, as regular undergraduates, after obtaining the necessary standing in the required papers of the McGill Junior or Senior School Certificate examination, or their recognized equivalents. Full details concerning these examinations are given in the School Certificate Examinations Announcement, which may be obtained from the Registrar's Office. *A student with incomplete matriculation qualifications is not admitted as a regular undergraduate.*

FIRST YEAR

A student may apply for admission to the First year of the undergraduate degree courses in the Faculty after obtaining the necessary standing in the appropriate subjects of the School Certificate Examination or in one of the examinations recognized by the University as the equivalent.

SECOND YEAR

A student may apply for admission to the Second year of these courses after obtaining the necessary standing in the appropriate papers of the

School Certificate *and* Senior School Certificate Examinations or their recognized equivalents. Only in exceptional circumstances is a student who has not written and passed the School Certificate Examinations or their equivalent admitted by Senior School Certificate.

A student who has been admitted to the First year and who has failed to advance to the Second year is not permitted to obtain advanced standing by writing Senior School Certificate Examinations. Provided that he has not been excluded from further study for academic or other reasons, he is required to take the regular supplemental examinations of the First year if he desires to proceed in his course.

Students who are admitted to the B.A. course without having satisfied the requirement of the Classical Language must include a classical language in their programme for two years. All applications for exemption from the classics requirement must be submitted, in writing, to the Dean, prior to registration.

Candidates for admission to the University in the Second year of the B.A. course may offer, in place of Senior Matriculation Mathematics, another subject in which they have shown marked proficiency and which is in accordance with the trend of the studies which they are preparing to pursue. In general, however, students are advised to offer Mathematics. It is a prerequisite to all advanced courses in the Science division and must be taken if either Physics or Chemistry is included in the Senior Matriculation programme. It is also a required subject for students who intend to take courses in the Social Sciences, excluding History and Political Science. For this reason, unless a student intends to take Honours in one of the Humanities (English, Languages, Philosophy) or in Political Science or History, Mathematics is obligatory. In any case, no student will be permitted to offer another subject in place of Mathematics unless he or she has passed the Elementary Mathematics of the Junior School Certificate, or its equivalent, and has achieved at least 75% in the Junior School Certificate examinations in History, or a Modern Language, or Classics. Only a subject in which this 75% is obtained may be substituted for Mathematics. If they intend to pursue studies in History, Philosophy, or Political Science, candidates are expected to choose History as their substitute.

Students may be admitted to the Second year in the B.A. course with School Certificate German or Greek or Spanish as one of the five subjects required if they have not previously taken that subject for the School Certificate.

Full details of these examinations are given in the School Certificate Announcement which may be obtained from the Registrar's Office.

THIRD YEAR

A student may apply to enter the Third year by submitting application forms as for First and Second years together with the necessary certificates of attainment.

REGISTRATION

All First year students in the Faculty of Arts and Science will register on Tuesday, September 15th, in the Sir Arthur Currie Memorial Gymnasium. Those in B.Sc. 1 and B.Com. 1 will register from 9.00 a.m. to 12 noon and those in B.A. 1 from 1.30 to 4 p.m. Students in the Second, Third, and Fourth years B.A., B.Sc., and B.Com. whose names begin with the letters A to L, and all students in the Third and Fourth years B.Ed. will register on Monday, September 21st from 9 a.m. to 4 p.m. and all students in the Second, Third, and Fourth years B.A., B.Sc. and B.Com. whose names begin with the letters M to Z, and all Partial students will register on Tuesday, September 22nd from 9 a.m. to 4 p.m., in the Gymnasium.

The Freshman Welcome meeting will take place on Wednesday, September 16th.

All students who do not register on the day and time specified for them will be charged a late registration fee.

No student will be admitted after October 1st except by special permission of the Dean.

At the time of registration, women students in the Faculty will be required to fill out special forms for the Royal Victoria College, of which they are automatically members (see pages 308 to 311 of the General Information booklet enclosed with this Announcement).

Each regular undergraduate must be registered for the courses and year for which he has been accepted. Limited Undergraduates and Partial Students must obtain approval of their courses from the Admitting Officers before proceeding to register.

No undergraduate may attend classes in any course for which he is not registered. Students who withdraw during the session must cancel their registration on the official form provided at the Registrar's Office.

PERIOD OF STUDY FOR A DEGREE

The bachelor's degree may be obtained only by students who have regularly attended the prescribed courses for at least four years after being admitted into the First year, or for at least three years after being admitted into the Second year. Students are admitted into the Third year only in exceptional circumstances and at least two full years of resident study in the Faculty are ordinarily required before the bachelor's degree can be granted.

CLASSES OF STUDENT IN THE FACULTY

(1) *Regular Undergraduates* are students who have complete matriculation qualifications and who are taking the regular work of their year towards the appropriate degree.

(2) *Limited Undergraduates* are students who have complete matriculation qualifications but who find themselves unable, because of ill-health or other circumstances, to complete their degree work in the required four years. Such students may, with the Dean's permission, extend their course beyond the required period but must complete it within eight years.

Limited Undergraduates are not eligible for scholarships, medals, bursaries, or prizes of any description and may not read for an Honours degree.

(3) *Partial Students* are students who are not registered as proceeding to a degree but who are allowed to take one or more lecture courses. Partial students must obtain the Dean's permission to register and must satisfy the lecturer in the course concerned that they have sufficient ability to do the work in the course. Application may be refused because of limitation of space in lecture rooms and laboratories. A student who has tried, and failed, to pass matriculation is not allowed to register as a partial student except in special circumstances.

If a Partial Student hopes to secure credit for a course, he or she must fulfil all the requirements of classroom work and tests which are prescribed for that course for regular students.

A Partial Student who has successfully passed the courses of a previous year is not necessarily accepted at a later session.

Subject to the above limitations, lectures are open to Partial Students in both Honours and General classes. Such a student may request the Registrar to issue a certificate stating that he has followed certain courses and showing his class standing in each. Work taken by a Partial Student cannot, however, be counted towards a McGill degree without a special vote of Faculty.

Partial Students are not eligible for scholarships, bursaries, medals, or prizes.

COMMON FIRST YEAR

A student who is qualified by matriculation to proceed to the B.A. or B.Sc. degree and who does not know, at the beginning of his First year, which degree he desires to obtain, may qualify to enter the Second year leading to either of these degrees by taking in his First year—English, Mathematics, a Classical Language, Physics, and Chemistry. This is known as the *Common First Year* and the student pays the fee required for the First year B.Sc. course.

ATTENDANCE, EXAMINATIONS, AND ADVANCEMENT

The attention of students is called to a pamphlet entitled *Regulations Governing Attendance, Examinations, and Advancement* issued by the Faculty of Arts and Science. Copies are distributed at the time of registration. Extra copies may be obtained through the Dean's office.

SUBJECTS AND COURSES REQUIRED FOR THE DEGREE OF BACHELOR OF ARTS

Every candidate for the B.A. degree must meet certain requirements, whether he is proceeding towards an Honours or a General degree.

NUMBER OF COURSES

In each of the First and Second years, five courses must be taken, that is, normally fifteen hours of class work per week; and in the Third and Fourth years, respectively, four courses, making twelve hours per week. The third hour each week in each individual course may be devoted to group conferences.

THE FIRST YEAR OF THE B.A. COURSE
(FOR BOTH GENERAL AND HONOURS DEGREES)

(a) Compulsory Courses:

English 100
Latin *or* Greek
Mathematics

(b) Elective:

Two of the following:

Economics 100
Fine Arts
French
German
Greek *or* Latin (if not already taken)
Italian
History
Music
Russian
Science (Zoology 100a (or b) and Botany 100a (or b), or Geography 121, or Physics 11, or Geology 121)
Spanish

Details of the work in each subject are given on pages 1031 to 1162.

Students who wish to qualify for the High School Diploma of the Province of Quebec have to fulfil certain additional requirements in both the First and Second years. See Announcement of the Institute of Education.

SELECTION OF COURSES

The student is normally free to elect *two* courses in the First year which, together with the three compulsory courses, complete the total of five required for that year. In choosing his courses, however, the student is advised by those who are registering him to give careful consideration to his selection. These points must be remembered:

Classics Requirement

In special circumstances, a student may be given permission to substitute another subject for Classics in the First year. Application for such permission must be made to the Dean prior to registration.

Mathematics Requirement

A student may be allowed to replace Mathematics by a First year course in a subject in which he has shown marked proficiency and which is in accordance with the trend of the studies that he is preparing to pursue. In general, however, students are advised to take Mathematics during the First year. It is a prerequisite to all advanced courses in the Science Division and must be taken concurrently with First year courses in Physics and Chemistry. It is also a required subject for students who intend to take courses in Social Sciences, excluding History and Political Science. For this reason, unless a student intends to take Honours in one of the Humanities (English, Languages, Philosophy) or in Political Science or History, the First year course in Mathematics is obligatory. In any case, no student will be exempted from the First year course in Mathematics unless he or she has passed the Elementary Mathematics of the Junior School Certificate or its equivalent, and has achieved at least 75% in the Junior School Certificate examinations, or their equivalent, in History or a Modern Language or Classics. Only a subject in which this 75% has been obtained may be substituted for Mathematics. If they intend to pursue studies in History, Philosophy, or Political Science, students are expected to choose History as the substitute.

Modern Foreign Language Requirement

All candidates for the degree must take a course in a modern foreign language, which may be taken in any year. Where a student chooses to begin the study of a language in order to meet either the classics or the

modern language requirement, he must take and pass a further course subsequent to the elementary one to satisfy this language requirement. This rule applies, for example, to a student who begins the study of Greek, Latin, German, Spanish, Italian, or Russian (there is no beginning course in French); in every case, the elementary course alone will not satisfy the requirement for the B.A. degree. On the other hand, a beginning course is given full credit when it is taken as a simple elective which is not to be counted towards satisfying the language requirement, except that, in the Fourth year, such an elementary course is treated as only a half-course.

While it is possible to meet this requirement in any year, it is preferable that a student should meet it not later than the Second year, because a student who subsequently elects to take an Honours course in some subject other than a foreign language may find it difficult to take this compulsory language course in the Third or Fourth year when he is likely to be fully occupied with his Honours studies.

A student who has successfully completed his First year but who has not taken French, may obtain credit for First Year French by taking the prescribed course at the French Summer School immediately following the completion of his First year. Students who obtain this credit may be permitted to take four, instead of five, courses in their Second year.

A student who has successfully completed his First year, including French, may obtain credit for Second Year French by taking the prescribed course at the French Summer School immediately following the completion of his First year. Students who obtain this credit may be permitted to take four, instead of five, courses in their Second year.

It should be noted, however, that a student who has not taken five subjects in the regular session of his First or Second year will not be eligible for the Faculty Scholarships or for the Macdonald Scholarships.

Science Requirement

For the General B.A. degree, there is the further requirement of one course in a Science subject, which may be taken in any year.

A student proceeding to an Honours degree is not required to take a course in Science.

English Composition Requirement

Every candidate for a degree in this Faculty must satisfy the Department of English (which, in this matter, acts as the agent of Faculty) that he is competent in English composition. In addition to the other requirements for the degree, therefore, all students, in their First year in the

Faculty, must register in English 100C. When a student has succeeded in demonstrating his competence in this course, he will be dispensed from further attendance at it.

NOTE ON PREREQUISITES

If a student intends to take an Honours course, he must be careful to select the course in the First year which is the prerequisite for such Honours study in the Second year. A student who intends to study a subject for Honours or Continuation is warned to look up the requirements of the appropriate departments, given on pages 1031 to 1162.

A student who hopes to enter either the Faculty of Medicine or that of Dentistry upon the completion of his Third year, must take both Mathematics and Physics in his First year.

ADVANCED COURSES IN THE FIRST YEAR

Some departments which give instruction in the First year offer special lectures or work of a more advanced character to students with adequate qualifications.

These advanced courses are generally arranged by the departments when lectures actually commence, but any student who enrols in an advanced section *must* see that his registration, as recorded in the Assistant Dean's office, shows that he is taking advanced work.

Students of scholarship standing entering the First year may, with the approval of the Dean, take Second year courses in subjects for which they are especially qualified.

THE GENERAL B.A. CURRICULUM IN SECOND, THIRD, AND FOURTH YEARS

At the beginning of the Second year, a student proceeding to a General B.A. degree must choose two subjects from those listed below in Division I. These two subjects are designated *Continuation Subjects* and are to be studied during the Second, Third, and Fourth years. A full course (or two half-courses) must be taken *each* year in each of the Continuation Subjects. The additional courses necessary to make the total of five for Second year, and four for each of the Third and Fourth years, may be chosen from any of the subjects shown in either Division I or Division II below. In choosing his elective courses, the student may seek the advice of one of the departments in which he chooses a continuation course.

A student may select only those courses for which he has the prerequisites laid down by the department in which such courses are given, and he is responsible for seeing that the courses chosen do not conflict with each other as regards hours of lectures or laboratory periods.

When the student's record during his Second, Third, and Fourth years of the General Course averages a high second class standing, a special award of *Distinction* is made at graduation. When the record averages first class standing, the award made is *Great Distinction.*

Division I (Continuation)

Anthropology
Economics
English
Fine Arts
French
Geography
German
Greek
History
Italian
Latin
Mathematics
Philosophy
Physics (when taken as a Continuation Subject with Mathematics)
Political Science
Psychology
Sociology
Spanish

Division II (Elective)

Subjects in Division I and:

Ancient History
Bacteriology
Biochemistry
Botany
Chemistry
Education
Genetics
Geography
Geology
Linguistics
Music
Physics
Physiology
Religion
Russian
Zoology

A course intended primarily for First year students may be counted as a full course in the Second year.

Students who are pursuing a double course in Arts and Science and Divinity (six years at least) may, in the Third and Fourth years, take the courses which constitute the ordinary curriculum in Arts and Science, less a half course each year or a whole course in one year.

Honours lecture courses are open to properly qualified general students.

SUBJECTS AND COURSES REQUIRED FOR THE DEGREE OF BACHELOR OF SCIENCE

An undergraduate may proceed to either a General or an Honours B.Sc. degree. As the distinction between these is not made until the Second year (or, in some cases, the Third year), there is a common curriculum to be followed by all First year students.

THE FIRST YEAR OF THE B.Sc. COURSE

(FOR BOTH GENERAL AND HONOURS DEGREES)

(a) Compulsory Courses:

English 100
Mathematics 111
Physics 11
Chemistry 11

(b) Elective:

Botany 100a (or b) and Zoology 100a (or b)
or one of the following, if the timetable permits:
Economics 100
Fine Arts
French
Geography 121
Geology 121
German 3
Greek
History
Italian
Latin
Music
Spanish

More advanced courses are available also in Chemistry, Mathematics, and Physics for those specially qualified or contemplating Honours.

ENGLISH COMPOSITION REQUIREMENT

Every candidate for a degree in this Faculty must satisfy the Department of English (which, in this matter, acts as the agent of Faculty) that he is competent in English composition. In addition to the other requirements for the degree, therefore, all students, in their First year in the Faculty, must register in English 100C. When a student has succeeded in demonstrating his competence in this course, he will be dispensed from further attendance at it.

THE GENERAL B.Sc. CURRICULUM IN THE SECOND, THIRD, AND FOURTH YEARS

In each of these years, five courses are required; these courses must be spread over at least four subjects, and must be selected from the groups given below. The student is also required to pursue a continued study of two subjects during the major part of his last three years for the General degree. The normal sequence of courses in any subject chosen for continuation is shown in Group I below. Since courses in Bacteriology, Biochemistry, and Physiology are usually begun in the Third year, a student is not obliged to choose these subjects for continued study until the beginning of his Third year; in other cases, he will commence his continuation subjects at the beginning of his Second year. In any year, a specially qualified student may be allowed, upon the recommendation of the department concerned, to substitute a more advanced course for any of those listed.

SECOND YEAR REQUIREMENTS

Three Science subjects from Group I; one Arts course from Group III; and one course from Group I or II or III.

THIRD YEAR REQUIREMENTS

Two Science subjects from Group I; one further subject from Group I or II; one Arts course from Group III, and one course from Group I or II or III.

FOURTH YEAR REQUIREMENTS

The same as for Third year, the two subjects previously chosen from Group I being continued throughout this year. It is permissible, however, to drop one of these continuation subjects in the Fourth year provided that two courses be taken in the remaining continuation subject; in this case the student's courses may be spread over three instead of four subjects.

GROUP I (Continuation Subjects)

SUBJECT	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Bacteriology		31	42, 43a
Biochemistry	See below	31	43 or 44
Botany	11b or 21 or 22 or 23	21 to 45	21 to 45
Chemistry	21, 22, 23, 24	21, 22, 23, 24	31, 32, 35
Genetics	21	32a, 32b, 36 and 45	42b to 47b inclusive
Geography	221, 231	321, 414a, b	416, 421
Geology	121 or 221	221-444	221-444

SUBJECT	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Mathematics	224	329, 330, 437	329, 330, 340, 437
Physics	22	23, 24, 25, 27b	(32, 35a), (43a, 44b), (35a, 47a), (35a, 44b)
Physiology	22	22, 31	31, 41, 42
Psychology	21, 22a or 22b	32, 34, 36, 37	43, 46, 48
Zoology	211, 221	221, 322, 324, 325, 332, 337, 343, 345, 446	324, 325, 337, 341, 433, 435, 446

If Biochemistry is to be taken as a continuation subject in the Third year, Chemistry 22 and Physiology 22 must be taken in the Second year.

A student who has not completed Botany 100a (or b) and Zoology 100a (or b) must obtain permission from the department concerned before proceeding to more advanced courses in Botany or Zoology.

Students who select Physics as a continuation subject must also select the following Mathematics courses: 224 or 225 in Second year; 330 in Third year or in Fourth year.

GROUP II (Non-continuation subjects)

SUBJECT	COURSES
Bacteriology	31
Biochemistry	31, 44
Botany	11b to 41
Chemistry	21, 22, 23, 24, 31, 32, 35
Geography	121 to 421
Geology	121 to 444
Genetics	21 to 47a or b
Histology	Anatomy 1a
Mathematics	221a; 224; 228b; 329; 330a, b; 340; 443; 437
Physics	21, 22, 23, 24b, 25, 32, 35a, 43, 44b
Physiology	22, 31, 32, 41, 42, 43, 44
Zoology	100, 221, 324, 325, 332, 337, 343, 345, 435, 446a.

GROUP III (Arts subjects)

Economics	Italian
Education	Latin
English	Music
Fine Art	Philosophy
French	Political Science
Geography	Psychology
German	Religion
Greek	Sociology
History	Spanish

B.Sc. students who select Geography or Psychology as a Continuation Subject may not select the same subject from Group III.

In selecting advanced courses, students should consult the Departments concerned.

Details of the courses are given on pages 1031 to 1162.

When the student's record during his Second, Third, and Fourth years of the General Course averages a high second class standing, a special award of *Distinction* is made at graduation. When the record averages first class standing, the award made is *Great Distinction.*

GENERAL REGULATIONS GOVERNING THE HONOURS DEGREE

The course for the Honours degree is distinguished from that of the general degree rather by quality than by quantity. In a very few cases, the honours curriculum may be regarded as providing pre-professional training and, in almost all Departments in which honours work is given, it forms a bridge between undergraduate training and graduate; but it is governed fundamentally by the belief that a relatively intense study of one field, not too narrowly limited, is the best medium of *general* education. A student who has gone sufficiently far in the study of one subject to have become aware of the assumptions on which that study rests and of the difficulties which its methods have been shaped to meet, and who has been introduced to the kind of material with which more advanced work in the subject is concerned, has probably undergone a better general mental discipline than the student who has sampled a variety of useful, but not very deeply developed, studies. While the honours curriculum, therefore, may be thought to be 'narrow', in the sense that the student is directed, in the latter years of his course, to the study of one or two subjects only, it is 'broad' in the sense that its purpose is to provide a more acute and discriminating, because more unified and systematic, intellectual training than is possible under the condition of the general degree.

Since the aim of the Honours curriculum is to develop critical and analytical ability, as distinct from, and in addition to, the imparting of information, it requires the student to exercise his own initiative and to develop the capacity to do much of the work for himself under guidance and direction. Part of the work (the situation varies as between Departments) dispenses with formal lectures and proceeds by group, or individual, tutorials, so that the student reading for the Honours degree enjoys close and continuous supervision of his work by individual tutors.

The conditions for entering Honours courses in Second year are as follows:

(*a*) The sanction of the Dean and of the departments in which Honours are elected must be obtained.

(*b*) No student may take Honours in a subject in which he has failed to attain at least second class standing in his First year.

Honours students who fail to attain second class honours standing at the end of the Second or Third year must revert to the General course in their next and following year or years and fulfil its requirements unless they obtain special leave to continue their Honours work from the department or departments interested.

An Honours student who has failed in any subject in the Third year examinations is not allowed to continue his Honours course except with the consent of Faculty.

A student's whole record during his Second, Third, and Fourth years will be considered in awarding Honours at graduation.

Students in Honours courses who fail to attain Second Class Honours at graduation must revert to the list of General students and, if they are unable to satisfy the requirements of the General degree, they will not be granted a degree.

Honours are awarded by Faculty on the recommendation of the department or departments in which Honours are elected.

THE HONOURS B.A. CURRICULUM IN THE SECOND, THIRD, AND FOURTH YEARS

Undergraduates may read for the Honours B.A. in any one of the following single subjects:

Classics
English
French
Geography
German
Greek
History
Latin
Mathematics
Philosophy
Psychology

They may also read for the degree in the following combinations of two subjects:

Anthropology and Sociology
Economics and Political Science
Mathematics and Physics
Various combinations of the single subjects given above

In the case of Honours in a single subject (e.g. English) the detailed description of the curriculum will be found under the appropriate Department.

In the case of Joint Honours in two subjects, the detailed description of the curriculum will be found under that one of the two Departments which has alphabetical precedence. Thus, Joint Honours in English and History is described under the Department of English (since "E" precedes "H") but Joint Honours in History and Political Science is described under the Department of History (since "H" precedes "P").

THE HONOURS B.Sc. CURRICULUM IN THE SECOND, THIRD, AND FOURTH YEARS

Honours courses begin normally in the Second year and are offered in the subjects listed below. Information as to courses to be taken can be found at the end of the descriptive material listed by the appropriate department on pages 1031 to 1162.

Attention is drawn to the fact that lectures are not given on all parts of the work. The examinations for Honours are not necessarily conducted exclusively by the persons who have given the courses.

HONOURS COURSES OFFERED FOR THE B.Sc. DEGREE

Bacteriology and Immunology
Biochemistry
Botany
Chemistry
General Honours in Biological Sciences
Genetics
Geography
Geological Sciences
Geology and Physics (Geophysics)
Mathematics
Mathematics and Physics
Physics and Physiology
Physiology
Psychology
Zoology

GENERAL HONOURS IN BIOLOGICAL SCIENCES

As indicated above, students may proceed to an Honours degree in some one of the various Biological Sciences. Alternatively, they may proceed to an Honours degree in *General Honours in Biological Sciences* (as described below), postponing specialization in a particular Science (including Genetics), until postgraduate years. This General Honours

course provides a balanced study of the Plant and Animal Kingdoms, with a suitable admixture of Genetics, and is a basic training in plant and animal studies. It is of value to pre-teacher, pre-dental, and pre-medical students, and for those who have an interest in the Biological Sciences, but who do not wish for the marked specialization of an Honours degree in a single Science.

Students who obtain a high second class average in this course are eligible for admission (with approval) to the Faculty of Graduate Studies and Research, but they may have to spend additional time in fortifying their knowledge of a particular field.

CURRICULUM OF GENERAL HONOURS IN BIOLOGICAL SCIENCES

Note: Students are reminded that courses chosen in any one year may affect the taking of other courses in subsequent years. *It is essential for this course that Botany 100a (or b) and Zoology 100a (or b) should be taken in B.Sc. 1.*

Students must apply for entry to this course to the Chairman of the Biological Sciences Group, and must obtain his approval before they will be permitted to register for this General Honours Course.

Prerequisite	General First year B.Sc. with the required standing (at least Second Class). Botany 100a (or b) and Zoology 100a (or b) must be taken.
2nd year	Botany 22a and 22b; Chemistry 22; Genetics 21; Zoology 221.
3rd year	Botany 11b, 22a and 22b, 23a, 31; Physiology 22; Zoology 211, 322.
4th year	Bacteriology 31; Biochemistry 31; Genetics 32a, 36b; Zoology 324 or 332 plus a fifth course in the form of a free option from the list below.
Free options	(to be taken where indicated)— Botany 23b, 32, 33; an English course beyond English 100; a French course; Genetics 44 or 45; Geography 121; Geology 121; a German course; Philosophy 310; Physics 21; Psychology 21; Zoology 325 or 343.

CONCERNING STUDENTS WHO INTEND TO PROCEED INTO THE PROFESSIONAL FACULTIES

Each regular undergraduate in the faculty is required to register for one of the bachelor's degrees offered, and, unless otherwise instructed by the Dean, must follow the regular work of his year towards this degree.

Although there are no specially organized courses for preparing candidates for other faculties, it is possible to include the prerequisites to entrance to these faculties within the framework of the B.A. and B.Sc. curricula. Students intending to enter one of these faculties later should acquaint themselves with the entrance requirements as shown in the individual Announcements.

Students proceeding into the Professional Faculties should note particularly that admission to these Faculties is not automatic: regular application forms must in all cases be submitted in advance of the prescribed dates, accompanied by such other documents as the Faculties may require.

DENTISTRY: At least two years of the B.A. or B.Sc. courses are required for entrance to First year Dentistry. If a student wishes to enter after two such years he must take Physics 11 and Chemistry 11 in his First year in Arts and Science; the other subjects required are Chemistry 22a and 22b and Botany 100a (or b) and Zoology 100a (or b). (B.A. students should note page 1018.)

LAW: A minimum of two years in the Faculty of Arts and Science is required for admission into the Faculty of Law. Nevertheless, candidates proceeding to the Bar of the Province of Quebec must be British subjects, hold the degree of B.A. from a Canadian or British University and satisfy the Bar examiners that they have successfully completed "the regular course in Philosophy" in an approved university. Students are advised to take this course in Philosophy before entering the Faculty of Law. The following courses are available: Philosophy 200, 300, 310 and 320 (see page 1118). In addition candidates are expected to have a working knowledge of French.

MEDICINE: The Faculty of Medicine offers the following advice to students proceeding in pre-medical studies at McGill:

1. Absolutely required are courses in Physics, General and Organic Chemistry, and Biology. These requirements can be met by passing Physics 11; Chemistry 11 and 22a, b; and Botany 100a (or b) and Zoology 100a (or b).

2. Other courses chosen for three pre-medical years should be so planned as to give the student more than elementary training in some definite field of knowledge, which may be selected from the Humanities, the Social Sciences, or the Physical or Biological Science. The curriculum for the three years should therefore be planned as a whole, so as to emphasize the selected field. Study in this field should be continued by students who fail to gain admittance to medicine after three years.

3. The curriculum must be in harmony with the requirements of the Faculty of Arts and Science or the B.A. or B.Sc. degree. English 100 and Mathematics will be taken in the First year. Continuation subject requirements must be complied with, and these subjects should be related to and reinforce each other, in the spirit of paragraph 2.

4. Students taking a pre-medical course within the B.A. curriculum are advised to take English, Mathematics, Physics, Latin and an elective course (preferably leading to the field of specialization) in the First year; Chemistry 11 and Botany 100a (or b) and Zoology 100a (or b), the continuation subjects, and a modern language in the Second year; Chemistry 22a, b, two courses in one continuation subject and one in the other, in the Third year.

5. Students entering through the B.Sc. curriculum will ordinarily complete the required courses (paragraph 1) very quickly and can proceed to specialize in the selected field. Those who expect to enter Medicine after three years are advised against taking prematurely the medical subjects such as Physiology, Biochemistry, Bacteriology, and Histology. There is, however, a definite place in Medicine for students who have completed an Honours course or a Master's degree in one of these sciences, or in Chemistry, Physics, etc.

6. Courses which are of value as preparation for medical studies, and of which some may be taken as electives or as extras if the curriculum in the major field permits, include Botany 100a (or b) and Zoology 100a (or b), Psychology 21, Sociology 210, Genetics 21, Zoology 211, 221, 324, 325.

7. The Medical College Admission Test, conducted by the Educational Testing Service, should be taken in the second term of the Second year or the first term of the Third year.

8. B.A. students should also see note on page 1018.

B.A. AND B.Sc. DEGREES FOR STUDENTS IN MEDICINE AND DENTISTRY

Students who have completed with good second class standing three years of the General Course leading to the Arts degree and two years in the Faculty of Medicine or Dentistry will, on application, be recommended by the Faculty of Arts and Science for the B.A. degree, if they have satisfied all the specific requirements of the First, Second, and Third years for the B.A. degree as to subjects, and in each of the Second and Third years taken three courses in Arts subjects so chosen as to fulfil the requirement of continuation study or its equivalent.

Students completing three years in the course leading to either the Arts or the Science degree and two years in Medicine or Dentistry are entitled to apply to the Faculty of Arts and Science for the degree of B.Sc. Students will not, however, be recommended for the B.Sc. degree unless they have satisfied the specific requirements for that degree or their equivalent. Students with high distinction in the first years of the B.Sc. course who maintain that standing in the first two years in Medicine at McGill will be granted the degree with Distinction or Great Distinction.

SUMMER SCHOOL IN FRENCH

The French Summer School is held every year, commencing in the final week of June and lasting six weeks.

Its courses are distributed among three Sections: A, B, and C, one of which, Section A, is below college standard. They deal with the various aspects of language study as well as literature and civilization. Courses in spoken French are divided into small classes for the purpose of intensive oral drill. In this respect the School definitely supplements the instruction given in the Department in the winter session, when such oral practice is only incidental to the subject-matter of the courses offered and is never the primary objective. It should be noted that the First year course given in the French Section of the Department of Romance Languages is not a beginner's course and is conducted entirely in French. (The standard qualification for admission into Section A is two years of High School French.)

For this reason, students who find it difficult to understand, speak, or write French are recommended to avail themselves of the special facilities which the School offers in its three sections, and particularly in Sections A and B for a systematic study of the language, oral and written. Section C is specially intended for graduate students or students interested in pursuing higher studies in French.

With the permission of Faculty, courses in Sections B and C may be counted towards the Bachelor's degree in cases where students need to make up the number of courses normally required for the degree. Students in Section C, who attend the School for at least four sessions and satisfy the requirements, can obtain an M.A. in French without having to reside at McGill during any of the winter sessions.

Students receive most benefit from the courses offered by the School if they choose to reside in one of the French Houses, where the use of French at all times is compulsory. Members of the teaching staff live in residence with the students and are constantly in helpful and friendly relationship with them. This informal education through daily association in the Common Room, at meals, and in social activities—which include sports, music, dramatics, and conducted visits through the beauty-spots of the Province of Quebec—is one of the most valued features of the School.

Reduced railway fares from all points in Canada have been arranged.

Applicants should address their inquiries to: The Director, French Summer School, Arts Building, McGill University, Montreal 2.

FEES

The regular and special fees payable by students in the Faculty of Arts and Science, including the School of Commerce, are shown below. The University reserves the right, however, to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the General Information Pamphlet.

TUITION

REGULAR UNDERGRADUATES

Sessional Fee: Arts	$550.00
Science	600.00
Commerce	550.00
Courses repeated or substituted by Conditioned Students, per full course	10.00

LIMITED UNDERGRADUATES AND PARTIAL STUDENTS (Arts, Education, Science, Commerce)

Each full course (Arts, Education, and Commerce)	$115.00
(Science)	125.00
Each half course (Arts, Education, and Commerce)	57.50
(Science)	62.50
Courses in Physical Education taken by Partial Students in Arts, per hour, per week	5.00

For further particulars concerning fees of all kinds, and the governing regulations, see the General Information Pamphlet which is included in this Announcement.

PAYMENT OF FEES

Fees are due and payable at the Accounting Office during the hours 9:00 a.m. to 4:00 p.m., Saturday 9:00 a.m. to 12 noon, from Tuesday, September 15th to Wednesday, September 30th, inclusive. If desired, fees may be remitted by mail on or before the due dates.

A late fee of $2.00 is charged for payment after the specified dates.

Courses of Lectures in Arts and Science

The following pages show the courses offered in the Faculty arranged according to Departments. These courses are listed by numbers and where a small letter follows a number the term in which the course is given is indicated: e.g., History 315a is given in the first term (October to January), History 315b in the second term (January to April).

In addition the words "full course," "half course," etc. indicate the course value. The letter L indicates laboratory and S a special course.

Unless otherwise stated, a full course begins in October and ends in April, whereas half courses are given in the term indicated. The number of hours of lectures given each week is shown immediately below the number of the course, and laboratory or conference hours are indicated separately.

An official time table is available at the registration period; any times shown herein are only tentative.

It is the responsibility of each student to make sure at the time of registration that there is no conflict in the timetable of the courses which he proposes to follow.

Any course may be cancelled because of insufficient registration.

ANATOMY

Professors	C. P. LEBLOND, *Chairman* C. P. MARTIN
Associate Professors	S. M. BANFILL J. LANGMAN
Assistant Professor	Y. CLERMONT
Research Associate, Demonstrator	H. ISLER
Lecturers	E. W. WORKMAN L. HELLER I. SMART
Teaching Fellows	B. PEREY N. J. NADLER

Before registering for the following course, students must consult the Chairman of the Department to ensure that they are qualified to undertake the work.

MICROSCOPIC ANATOMY

6. HISTOLOGY (Half course). The course, which is part of the medical curriculum, consists of three weekly classes during the first half year. The course begins at the opening of the medical session, in September.

Three lectures and six hours laboratory per week, from approximately September 6th to the end of February.

Texts: Ham, Histology; Bailey, Textbook of Histology *or* Maximow and Bloom, Histology.

BACTERIOLOGY AND IMMUNOLOGY

Professor	R. W. REED, *Chairman*
Associate Professors	J. W. STEVENSON
	G. G. KALZ
Assistant Professors	FRITZ BLANK
	C. A. BUTAS
	GRACE T. ROBERTSON
	A. M. MASSON
Lecturers	E. MANKIEWICZ
	B. H. MATHESON
	O. MORGANTE
	RAISSA SILOV
Demonstrator (*Teaching Fellow*)	M. E. MCBRIDE

In addition to its courses in the Faculty of Medicine the Department offers the following to students in the Faculty of Arts and Science:

31. ELEMENTARY BACTERIOLOGY AND IMMUNOLOGY (Full course). This course deals with the fundamentals of immunology and of bacterial cytology, physiology and classification. The applications of bacteriology in industry, agriculture, medicine and public health are discussed. The laboratory work provides practical experience in the cultivation and isolation of bacteria and demonstrates their diverse activities.

Both terms: 2 hours lecture and 2 laboratory periods.

Prerequisites: First year Science with Botany 100a (or b) and Zoology 100a (or b), Chemistry 22. It is recommended that Biochemistry 31 be taken concurrently.

Text: Frobisher, Fundamentals of Microbiology (Saunders).

42. ADVANCED MICROBIOLOGY (One and a half courses). A systematic study of bacteria, viruses and medically important fungi. This class is limited in size and priority is given to Honours students in the biological sciences.

Both terms: 3 lectures, 2 three hour laboratory classes.

Prerequisites: Bacteriology 31, Biochemistry 31.

Text: Topley & Wilson, Principles of Bacteriology and Immunology, 4th Edition (Arnold) 1956.

43a. IMMUNOLOGY (Half course). A study of the fundamental aspects of antigen-antibody reactions and their practical applications.

Second term: One lecture, 2 three hour laboratory classes.

Text: Carpenter, Immunology and Serology (Saunders), 1956.

44. BACTERIOLOGY READING COURSE AND THESIS (Full course). Students are required to write a 5000 word review of the literature on a selected topic. The course is offered only to Honours students in Bacteriology.

Prerequisites: as for Course 42.

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY AND IMMUNOLOGY

Prerequisite: An aggregate standing of high second class must be obtained in the subjects submitted for the First year and good standing maintained in subsequent years.

The Chairman of the Department should be consulted in selecting subjects to be studied in the Second and Third years.

The following course of study has been found suitable for most students but may be modified to suit individual cases.

First year: First year B.Sc. preferably including Botany 100a and Zoology 100b.

Second year: Physiology 22; Zoology 221; Chemistry 22 and 24; Genetics 21.

Third year: Biochemistry 31; Zoology 322; Botany 23a and b; Bacteriology 31, and one elective course.

Fourth year: Bacteriology 42, 43a and 44; Biochemistry 45; Genetics 42b; one elective half course.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

BIOCHEMISTRY

Professors — K. A. C. Elliott *Chairman*, D. L. Thomson, J. H. Quastel

Associate Professor — O. F. Denstedt

Assistant Professors — E. H. Creaser, Esau Hosein, P. G. Scholefield

31. GENERAL PHYSIOLOGICAL CHEMISTRY (Full course with Laboratory). A general survey of the chemistry of carbohydrates, fats, steroids, and proteins, their transformations in the body, and the composition of the body in health and disease. Two laboratory periods per week, October to February.

2 hours plus laboratory — *Professor Thomson*

Prerequisite: Chemistry 22 (a and b), Physiology 22.

Text: Harper, Review of Physiological Chemistry (Lange). The Department issues a synopsis of the laboratory course.

32. ENDOCRINOLOGY (Half course). The chemistry and pharmacology of the hormones.

1 hour — *Professor Thomson*

Prerequisite: Biochemistry 31 (may be taken concurrently).

34. SUPPLEMENTARY BIOCHEMISTRY (Half course). For Honours students in the Department only. A tutorial course parallel to 31.

1 hour — *Professor Hosein*

Text: Fruton and Simmonds, General Biochemistry (Wiley).

43. ADVANCED BIOCHEMISTRY (Full course). A detailed study of the organic chemistry of carbohydrates, fats, steroids, amino-acids, and proteins.

3 hours — *Professor Denstedt*

Texts: Hawk, Oser, and Summerson, Practical Physiological Chemistry (Blakiston); Fruton and Simmonds, General Biochemistry (Wiley).

43L. LABORATORY (One and one half courses). For Honours students in the Department only.

4 periods — *Professor Hosein*

Prerequisite: Biochemistry 31, Chemistry 23.

44a. NUTRITION (Half course). Human requirements for calories, protein, and other nutrients; the chemical nature, detection, occurrence, and physiological function of the vitamins; the essential minerals.

First term: 3 hours

Prerequisite: Biochemistry 31.

Text: Sherman, Chemistry of Food and Nutrition (Macmillan).

(*Not given in 1959-60.*)

44b. PROTEIN PHYSICAL CHEMISTRY (Half course). The physico-chemical properties of solutions of amino-acids and proteins, including conjugated proteins and enzymes; ionic reactions, molecular size and shape, solubility, optical properties, enzyme kinetics.

Second term: 3 hours *Professor Thomson*

Prerequisite: Biochemistry 31, Chemistry 24; Biochemistry 43 should be taken concurrently.

Texts: Fox and Foster, Introduction to Protein Chemistry (Wiley); Springall, Structural Chemistry of Proteins (Butterworth).

45. OXIDATION AND METABOLISM (Full course). The nature of biological oxidations and reductions and the enzymes concerned therewith, especially from the point of view of transfer of energy; the reactions of intermediary metabolism of organic foodstuffs as studied by isotope and other methods.

2 hours *Professor Quastel and Staff*

Prerequisite: Biochemistry 31.

Texts: Baldwin, Dynamic Aspects of Biochemistry (C.U.P.); Fruton and Simmonds, General Biochemistry (Wiley).

HONOURS COURSE IN BIOCHEMISTRY

First year

First year B.Sc., Botany 100a (or b) and Zoology 100a (or b) recommended.

Second year

Physiology 22
Chemistry 22, 23, 27
Zoology 221
Mathematics 224

Third year

Chemistry 24
Biochemistry 31, 34
Physiology 31, 32
Bacteriology 31

Quota of five courses to be completed from: Chemistry 32, Mathematics 221a, Physics 23, Genetics 44, Biochemistry 32.

Fourth year

Biochemistry 32 (if not already taken), 43, 43L, 44a, 44b, 45.

Changes in this programme may be permitted in special cases.

BOTANY

Professors	MURIEL V. ROSCOE, *Chairman*
	R. D. GIBBS
Associate Professors	G. H. N. TOWERS
	C. M. WILSON
Assistant Professors	W. BOLL
	P. F. MAYCOCK

100a & 100b. ELEMENTARY BOTANY (Half course). This half course is given as two identical sections, one in the Fall term, the other in the Spring. The student may elect either section. If Botany 100a is taken, Zoology 100b must be taken in the Spring term of the same session. If Botany 100b is taken, Zoology 100a must have been taken in the Fall term of the same session. A student may take only one section of Botany or one section of Zoology per term. A section of Botany and a section of Zoology must be taken in the same academic year.

Botany 100 (a or b) is an introductory course in Botany dealing with the anatomy, cytology and physiology, etc. of plants and their importance as living organisms.

2 hours lectures and 3 hours laboratory

Professors Roscoe, Wilson, Boll, Maycock

Note: Botany 100 (a or b) together with Zoology 100 (b or a) really constitutes a course which might be called "Biology 100" and the student must take a half course in Botany and a half course in Zoology, but in different terms.

11b. GENERAL BOTANY. A Survey of the Plant Kingdom (Half course). A study of representatives of the main plant groups on an evolutionary basis. Second term: 2 hours lectures and 3 hours laboratory

Professors Gibbs and Maycock

21. TAXONOMY OF THE HIGHER PLANTS (Full course). A practical introduction to the morphology and classification of the seed plants, giving special attention to the identification and significance of Canadian species.
2 hours lectures and 3 hours laboratory *Professor Gibbs*

Prerequisite: Botany 100a or b or Botany 11b.

22a. PLANT ANATOMY (Half course). A detailed study of the organization of vascular plants; internal structure and its relation to function.
First term: 2 hours lectures and 3 hours laboratory *Professor Towers*
Prerequisite: Botany 100a or b.

22b. COMPARATIVE ANATOMY (Half course). The anatomy of vascular plants viewed in relation to development and evolution.
Second term: 2 hours lectures and 3 hours laboratory *Professor Roscoe*
Prerequisite: Botany 22a.

23a. MYCOLOGY (Half course). General characteristics of the fungi; morphology and classification, life cycles and economic importance. Particular reference is given to the Myxomycetes, Phycomycetes and Ascomycetes.
First term: 2 hours lectures and 3 hours laboratory *Professor Wilson*
Prerequisite: Botany 100a or b or Botany 11b.

23b. MYCOLOGY (Half course). Morphology and classification of the Basidiomycetes and Fungi Imperfecti with emphasis upon cultural techniques.
Second term: 2 hours lectures and 3 hours laboratory *Professor Wilson*
Prerequisite: Botany 23a.

31. PLANT PHYSIOLOGY (Full course). A general introduction to the study of the physiological functioning and reactions of plants. Topics such as water relations, photosynthesis, mineral nutrition, respiration, growth, and metabolism are discussed in detail.
2 hours lectures and 3 hours laboratory *Professor Towers*
Prerequisite: Botany 100a or b and Chemistry 22.

32. MORPHOLOGY AND TAXONOMY OF THE LOWER PLANTS (Full course). Life histories, structure, and relationships of the Algae, Fungi, Lichens, Mosses and Liverworts, Ferns, and other non-flowering plants.
2 hours lectures and 3 hours laboratory *Professor Gibbs*
Prerequisite: Botany 100a or b and Botany 11b.
(*Not given in 1959-60; given in 1960-61.*)

*33. PLANT BIOCHEMISTRY (Full course). Chemistry, occurrence, and roles of organic materials found in plants, and methods for their detection and estimation. Some reference is made to economic uses of plants.
2 hours lectures and 3 hours laboratory (6 hours laboratory for graduate and honours students) *Professors Gibbs and Towers*
Prerequisite: Botany 100a or b or Botany 11b, Chemistry 22.
(*Given in 1959-60; not given in 1960-61.*)

*Courses for Advanced and Graduate students.

*41. MICROTECHNIQUE (Full course). Methods of preparing plant material for microscopical study, with practical experience in fixing, embedding (both paraffin and celloidin), cutting, and staining.

1 hour lecture and 6 hours laboratory *Professor Roscoe*

Prerequisite: Botany 22a and b.

(*Given in 1959-60; not given in 1960-61.*)

*42. SPECIAL TOPICS (Full course or half course). Prescribed reading, conference, and practical work in selected subjects such as Anatomy, Ecology, Mycology, Physiology, Taxonomy of Special Groups, and Biochemistry. *The Staff*

*43b. PLANT ECOLOGY (Half course). A study of the effects of climate and soil factors on plant growth leading to an interpretation of the evolution, distribution and succession of plant communities. Reference will be made to methods of ecological studies in conservation, forestry, and agriculture practices.

Second term: 2 hours lectures and 3 hours field, conference or laboratory *Professor Maycock*

Prerequisites: Botany 100a or b, Botany 11b and 21 (except with special permission).

(*Not given in 1959-60; given in 1960-61.*)

44a. ECONOMIC BOTANY (Half course). The nature, origins and distribution of plants of economic importance, with some study of structure of plant parts utilized.

First term: 2 hours lectures and 3 hours laboratory *Professors Wilson and Roscoe*

Prerequisites: Botany 100a or b, or Botany 11b.

(*Not given in 1959-60; given in 1960-61.*)

*45. PLANT MORPHOGENESIS (Full course). A survey of the physiological, biochemical, and genetic approaches to the experimental study of plant morphogenesis, including growth correlation, the function of plant hormones and the environmental control of plant development and morphology.

First term: 2 hours lectures and 3 hours laboratory

Second term: 2 hours lectures and weekly seminar *Professor Boll*

Prerequisite: Botany 100a or b, Botany 11b, 31, and Genetics 21.

(*Not given in 1959-60; given in 1960-61.*)

*Courses for Advanced and Graduate students.

HONOURS COURSE IN BOTANY

NOTE:—The Honours Course in Botany prepares students for graduate work in the departments of Genetics and Plant Pathology as well as Botany. Allowing as it does for considerable study of other biological subjects, it forms also a suitable preparation for the teaching of Biology in schools.

First year: Students must take Botany 100a or b as their elective in the B.Sc. program.

Second year: The general Second year requirements are satisfactory as long as Chemistry 22 and a course in Botany are included. Botany 11b and one or more of the following should be taken: Botany 21 or 22a and 22b, or 23a and 23b. The Arts subject is optional.

Third year: Botany 21, 22a and 22b, or 23a and 23b, and 31 must be included if not already taken. Additional courses are to be selected from cognate fields with the advice of the Chairman of the Department.

Fourth year: Three of the remaining Botany courses are required, together with two other courses selected with the approval of the Chairman of the Department.

CONTINUATION COURSES IN BOTANY

Second year: Botany 22a and 11b, or 21, or 22a and 22b, or 23a and 23b

Third year: Botany 11b to 45

Fourth year: Botany 11b to 45

Botany 100a or b (or its equivalent) is prerequisite to all courses in Botany.

GENERAL HONOURS IN BIOLOGICAL SCIENCES

Students who desire a planned course of study of plants and animals should consult the program drawn up for "General Honours in Biological Sciences", page 1026.

DEPARTMENT OF CHEMISTRY

Professors

CARL A. WINKLER, *Chairman*
C. B. PURVES
L. YAFFE

Associate Professors

R. K. HOLCOMB
J. H. MENNIE
R. V. V. NICHOLLS
A. S. ROSS
H. I. SCHIFF
A. TAURINS

Assistant Professors

J. T. Edward
G. E. Just
M. Onyszchuk
R. F. Robertson
A. Sehon

Research Associates

D. A. I. Goring
O. Maass
R. StJ. Manley
S. G. Mason
W. A. Mueller
A. A. Robertson
T. Timell

Senior Instructor

C. E. Drover

11. (Fac. Eng. 902) GENERAL CHEMISTRY (Full course). A general survey of Inorganic Chemistry. This includes Atomic and Kinetic-Molecular theory, the theory of Ionization, with elementary examples of ionic equilibrium, rates of chemical reaction, law of mass action, oxidation and reduction, the electromotive series of the metals, the Periodic Law and the Electronic theory of Valence. The preparation and properties of the more important elements and their compounds in relation to atomic and molecular structures are emphasized.

2 lectures per week. *Professors Just, Nicholls, Onyszchuk, Winkler and Yaffe*

1 tutorial per week. *Professors Holcomb, Nicholls and Onyszchuk*

Textbook: Graham and Cragg, The Essentials of Chemistry (Clarke-Irwin).

Laboratory: The lectures are supplemented by descriptive and quantitative experiments, including volumetric analysis, illustrative of the important principles and theories.

3 hours per week. *Professors Holcomb, Nicholls and Onyszchuk*

Prerequisites: Physics 11 and Mathematics 111 (or their equivalents) unless taken concurrently.

21. (Fac. Eng. 940) SYSTEMATIC INORGANIC CHEMISTRY (Full course). A systematic, detailed description of the properties of the elements and their compounds based upon the periodic classification of the elements. This includes an introduction to the relation between properties, structure and types of bonding.

2 lectures per week. *Professors Holcomb and Onyszchuk*

Textbook: Partington, Textbook of Inorganic Chemistry (Macmillan).

21L. INORGANIC CHEMISTRY LABORATORY (Half course). The preparation, purification, analyses and reactions illustrative of the general methods and types of compounds discussed above (21). The reactions and solubility relations of the cations and anions are included, together with the methods for their separation and identification.

3 hours per week. *Professors Holcomb and Onyszchuk*

For Honours Chemistry students only.

22. (Fac. Eng. 948) ORGANIC CHEMISTRY (ELEMENTARY).

(a) (Half course). A survey of the special characteristics of carbon and its compounds, stressing the principal families of compounds and their reactions and dealing mainly with those involving single functional groups.

2 lectures and 1 tutorial per week. *Professors Purves and Nicholls*

Text: To be announced.

(b) (Half course). A commentary on the nomenclature, occurrence, preparation, properties, and uses of the more important classes of carbon compounds, and on the principles of functionality, homology and isomerism. A continuation of course (a) in greater detail, so as to include polyfunctional compounds.

2 lectures and 1 tutorial per week. *Professors Purves and Nicholls*

Text: To be announced.

Laboratory: Illustrative experiments.

3 hours per week. *Professors Edward and Taurins*

Laboratory Text: Fieser, Experiments in Organic Chemistry. 3rd ed. (Heath and Co.).

Prerequisites: Chemistry 11 and Physics 11 or their equivalents.

23. (Fac. Eng. 944) INORGANIC QUANTITATIVE ANALYSIS (ELEMENTARY) (Full course). Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods.

Laboratory: Simple gravimetric determinations; typical volumetric procedures including precipitation, neutralization, and oxidation-reduction methods. All samples are solids which must be weighed and brought into solution by the student.

1 lecture and 6 hours laboratory per week. *Professor Mennie*

Text: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

Prerequisite: Chemistry 11.

24. PHYSICAL CHEMISTRY (ELEMENTARY) (Full course). Fundamental physico-chemical topics including states of matter, equilibria, electrochemical phenomena, chemical kinetics, thermodynamics.

3 lectures per week. *Professor Winkler*

Text: Glasstone, Elements of Physical Chemistry (Van Nostrand)

Prerequisites: Chemistry 11, Physics 11, Maths 224 (or equivalent) unless taken concurrently.

31. ATOMIC STRUCTURE AND VALENCE THEORIES (Full course).

2 lectures per week. *Professors Onyszchuk and Yaffe*

Prerequisite: Chemistry 21, Physics 11, Mathematics 224 or 225.

32. (Fac. Eng. 962) ORGANIC CHEMISTRY (ADVANCED) (Full course). A course in descriptive organic chemistry at an advanced level. It develops and extends the material presented in Courses 22a and b. Special consideration is given to the following topics: polyfunctional compounds, aromatic substances, heterocyclic compounds and terpenes.

2 lectures per week. *Professor Just*

Text: To be announced.

Prerequisite: Chemistry 22.

32L. ORGANIC CHEMISTRY LABORATORY (ADVANCED) (Half course).

6 hours per week. *Professor Just*

Texts: Fieser, Experiments in Organic Chemistry 3rd Ed. (Heath and Co.); Shriner, Fuson and Curtin, The Systematic Identification of Organic Compounds, 4th Ed. (Wiley).

33. INORGANIC QUANTITATIVE ANALYSIS (ADVANCED) (Full course). An introduction to systematic quantitative analysis and to the use of instrumental methods, including electrolytic precipitation; colorimetry; pH measurement; potentiometric and conductometric titration.

1 lecture and 3 hours laboratory per week. *Professor Mennie*

Text: Kolthoff and Sandell, Inorganic Quantitative Analysis (Macmillan).

Prerequisites: Chemistry 21 and 23.

For Honours Chemistry students only.

34L. (Fac. Eng. 968) PHYSICAL CHEMISTRY LABORATORY (INTERMEDIATE). (Half course). Simple physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids and solutions.

3 hours per week. *Professor Ross*

Text: Daniels, Matthews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Livingston, Physico Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

Prerequisites: Chemistry 24, 24L.

35. (Fac. Eng. 964) CHEMICAL THERMODYNAMICS AND ELECTROCHEMISTRY. First and second laws, entropy, free energy, activity and fugacity in ideal and real solutions. Solutions of strong electrolytes. Electrode potentials, electro-chemical cells, electrolytic conduction and electrolysis, specific and equivalent conduction, mobility and transport numbers, overvoltage and polarization.

3 lectures per week. *Professor Robertson*

Texts: Koltz, Chemical Thermodynamics (Prentice Hall); Lewis and Randall, Thermodynamics (McGraw-Hill); Glasstone, Introduction to Electrochemistry (Van Nostrand); MacInnes, The Principles of Electrochemistry (Reinhold).

Prerequisite: Chemistry 24.

40. (Fac. Eng. 966) CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS (Half course). Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical, and mechanical properties; experimental methods for controlling and determining the structures of polymers; properties of commercially available materials; methods of fabrication.

1 lecture per week. *Professor Nicholls*

Prerequisites: Chemistry 22 and 32 (the latter course may be taken concurrently).

41. INORGANIC CHEMISTRY (ADVANCED) (Full course). Selected topics in modern inorganic chemistry.

2 lectures per week. *Professors Holcomb, Onyszchuk and Yaffe*

Prerequisite: Chemistry 31.

For Honours Chemistry students only.

41L. INORGANIC CHEMISTRY LABORATORY (ADVANCED) (Half course). An introduction to modern techniques for the preparation of inorganic compounds.

First term: 3 hours per week *Professors Holcomb and Onyszchuk*

Prerequisite: Chemistry 21L.

For Honours Chemistry students only.

42. ORGANIC CHEMISTRY (ADVANCED) (Full course). Selected topics in modern organic chemistry, including natural products, stereochemistry and reaction mechanisms.

2 lectures per week. *Professor Edward*

Prerequisite: Chemistry 32.

For Honours Chemistry students only.

42L. ORGANIC CHEMISTRY LABORATORY (ADVANCED) (Half course). An introduction to modern techniques in organic chemistry, including chromatography of various types, extraction, electrophoresis, etc.

3 hours per week. *Professor Edward*

Text: Linstead, Elvidge and Whalley, A course in Modern Techniques of Organic Chemistry (Butterworth).

Prerequisite: Chemistry 32L.

For Honours Chemistry students only.

43. INSTRUMENTAL METHODS OF ANALYSIS (Half course). An introduction to modern techniques of analysis, including polarography and amperometric titration, spectrophotometry, mass spectrometry, gas chromatography, measurements of radio-activity, etc.

First term: 1 lecture per week. *Professor Mennie and others*

Second term: 3 hours laboratory per week.

Prerequisites: Chemistry 31 and 33.

For Honours Chemistry students only.

44. (Fac. Eng. 982) KINETIC THEORY AND CHEMICAL KINETICS (Full course). Description of physical phenomena in terms of statistical distribution functions, concept of cross section, transport phenomena, dynamics of two-particle encounters, measurement and calculation of rates of chemical reactions, energetics of reactions, theories of reaction mechanism, heterogenous and homogeneous catalysis.

2 lectures per week. *Professor Sehon*

References: Moelwyn-Hughes, Physical Chemistry (Pergamon Press); Glasstone, Text-Book of Physical Chemistry (Van Nostrand); Present, Kinetic Theory of Gases (McGraw-Hill); Laidler, Chemical Kinetics (McGraw-Hill); Trotman-Dickenson, Gas Kinetics (Butterworth).

Prerequisites: Chemistry 24 and 35.

44L. PHYSICAL CHEMISTRY LABORATORY (ADVANCED) (Full course). More advanced physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids, solutions, and colloids.

6 hours per week. *Professor Ross*

Text: Daniels, Mathews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Weissberger, Techniques of Organic Chemistry, Vol. I, Physical Methods, Vol. IV, Distillation, Vol. VIII, Investigation of Rates and Mechanisms of Reactions (Interscience); Reilly and Rae, Physico-Chemical Methods (Van Nostrand).

Prerequisites: Chemistry 34L and 35.

For Honours Chemistry students only.

45. CHEMICAL THERMODYNAMICS (ADVANCED) (Full course). For Honours Chemistry students only.

2 lectures per week.

1 hour problems alternate weeks. *Professor Schiff*

References: Sillén, Lange, and Gabrielson, Problems in Physical Chemistry (Prentice-Hall); Lewis and Randall, Thermodynamics (McGraw-Hill); Klotz, Chemical Thermodynamics (Prentice-Hall); Paul, Principles of Chemical Thermodynamics (McGraw-Hill); Dole, Introduction to Statistical Thermodynamics (Prentice-Hall).

Prerequisite: Chemistry 35.

46. (Fac. Eng. 986) COLLOID CHEMISTRY (Half course). Descriptive, thermodynamic and kinetic treatment of properties of surfaces, sols, emulsions, gels.

1 lecture per week. *Professor Robertson*

References: Weiser, Colloid Chemistry (Wiley); Adam, Physics and Chemistry of Surfaces (Oxford); Brunauer, Adsorption of Gases and Vapors, Vol. I (Princeton); Alexander and Johnson, Colloid Science (Oxford); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons and Straumanis, Short Textbook of Colloid Chemistry (Wiley); Gregg, The Surface Chemistry of Solids (Reinhold).

Prerequisite: Chemistry 35.

48. RADIOCHEMISTRY (Half course). An extra half course for Fourth year Honours students. A number of lectures will be given dealing with fundamentals of radiochemistry, radio-tracer techniques and applications. The remainder of the lectures will be devoted to special topics including isotope effects, exchange reactions, C^{14} dating technique, synthesis of the new elements, etc.

1 lecture per week. *Professor Yaffe*

Prerequisite: To be discussed between prospective student and lecturer.

70. SCIENCE IN ECONOMIC LIFE (Full course). By virtue of its two main subdivisions, inorganic and organic, chemistry presents a vast field of service to man. In this course the important principles of industrial chemistry are presented by application to commercial processes where all their aspects are studied in relation to their economic importance.

The course is intended primarily for B.Com. students.

2 lectures per week. *Professor Nicholls*

Text: Selected readings and essays.

73. (Fac. Eng. 954) INORGANIC QUANTITATIVE ANALYSIS (ELEMENTARY) (Half course). Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods.

This course is intended for students specializing in Geology.

Laboratory: Representative gravimetric and volumetric laboratory procedures.

1 lecture and 3 hours laboratory per week. *Professor Mennie*

Text: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

B.Sc. HONOURS COURSE IN CHEMISTRY

This course begins in the Second year. First year students intending to take Honours in Chemistry should consult the Department before the end of the session.

Second and Third year Honours students may make application for summer employment in the research laboratories of the department.

Prerequisites: At least good second class standing in Chemistry 11, Mathematics 111, and Physics 11 or their equivalents.

Second year: Chemistry 21, 21L, 22, 23, 24; Mathematics 224 or 225; Physics 23.

Third year: Chemistry 31, 32, 32L, 33, 34L, 35; Mathematics 332; Physics 33, German 101.

Fourth year: Chemistry 41, 41L, 42, 42L, 43, 44, 44L, 45, 46; Mathematics 447; Physics 36.

NOTE:—Students anticipating specialization in Chemistry are recommended to include Intermediate Mathematics in their Junior Matriculation subjects. If they enter by Senior Matriculation they should include Co-ordinate Geometry in this examination.

GENERAL COURSE STUDENTS

B.Sc.—Provided the necessary prerequisites (Chemistry 11, Physics 11, Mathematics 111, or their equivalents) have been passed, courses in chemistry may be selected from Chemistry 21, 22, 23, 24, 31, 32, 35, and other courses by special permission of the Department. *For continuation in Chemistry, at least one of the courses chosen must be at a level more advanced than the Second year.*

The Department of Chemistry would be glad to discuss with the student an appropriate plan of study.

B.A. students normally are admitted to Chemistry 11 only in their Second year *after* passing Physics 11 in their First year and if they plan to take a Chemistry course in a later year.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

CLASSICS

Professor CLIVE H. CARRUTHERS (*Post-retirement*)

Associate Professors E. M. COUNSELL
COLIN D. GORDON
PAUL F. MCCULLAGH, *Chairman*

Assistant Professor GERALD R. VALLILLEE

Lecturers E. MARIE SPENCE
ALBERT SCHACHTER

GREEK

Courses numbered 221 and above are available to General Course students in the Second, Third or Fourth year.

1. BEGINNERS' GREEK (Full course). For students who have not matriculated in Greek, the completion of this course and Greek 2 will be accepted as fulfilling the Classical Language requirement for the B.A. degree.

3 hours. *Professor Gordon*

Text: Greek through Reading (Nairn, Ginn & Co.).

2. INTERMEDIATE GREEK (Full course). Grammar, readings, and studies in Greek Literature.

Prerequisite: Greek 1, except by permission of the Chairman of the Department.

3 hours. *Miss Spence*

Texts: Selections from Xenophon; prose composition; Homer, selections.

221. GREEK (Full course). Readings in Plato.

Prerequisite: Matriculation Greek, or Greek 2.

3 hours. *Professor Gordon*

Texts: To be announced.

222. GREEK (Full course). Readings in Homer; Attic prose selections; prose composition.

3 hours.

223. HELLENISTIC GREEK (Full course). Readings from Hellenistic authors and the New Testament. Permission of the Department must be obtained before registering for this course.

3 hours. *Professor Carruthers*

Texts: To be announced.

331. GREEK (Full course). Greek Drama.

3 hours. *Miss Spence*

332. GREEK (Full course). Greek Historians.

3 hours.

333. GREEK (Full course). Reading course. Authors to be chosen according to interests and ability of students. Registration limited.

3 hours.

441. GREEK (Full course). Greek Orators.

3 hours.

442. GREEK (Full course). Greek Philosophy.

3 hours. *Professor McCullagh*

Texts: Plato, Republic (Selections); Aristotle, Ethics (Selections); Sight Translation.

For Honours courses, continuation courses and other courses in Classics see below (page 1051).

LATIN

Courses numbered 221 and above are available to General Course Students in the Second, Third or Fourth year. Only certain courses from those numbered 223-442 are given in any one session. Consult department for details.

1. BEGINNERS' LATIN (Full course). The completion of this course and Latin 2 will be accepted as fulfilling the Classical Language requirement for the B.A. degree. Students who have passed the McGill School Certificate examination in Latin or its equivalent are required to take Latin 100 for this purpose.

3 hours. *Members of the Department*

Text: Wheelock, Latin, an introductory course (Barnes and Noble).

2. INTERMEDIATE LATIN (Full course).

Prerequisite: Latin 1.

3 hours. *Members of the Department*

Text: To be announced.

100. LATIN. First year (Full course). The completion of this course fulfils the Classical Language requirement for the B.A. degree. Reading selections, composition and sight translation.

3 hours. *Members of the Department*

Texts: To be announced.

221. LATIN (Full course). Vergil, Aeneid. A study of the poet's art and purpose. The poem will be read partly in the original, partly in translation.

3 hours. *Professor Vallillee*

222. LATIN (Full course). Readings in Cicero, Catullus and Horace (odes); prose composition.

3 hours. *Professor Counsell*

Texts: Cicero, De Senectute; Selection from Horace (Odes) or Catullus.

223. READINGS IN LATE AND MEDIEVAL LATIN (Full course). Permission of the Department must be obtained before registering for this course.

3 hours. *Professor Counsell*

Text: To be announced.

331. LATIN (Full course). Prose of the age of Cicero; prose composition.

3 hours.

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332. LATIN (Full course). Readings from the Bucolics and Georgics.

3 hours. *Professor Carruthers*

333. LATIN (Full course). Reading course. Authors to be chosen according to interests and ability of students. Registration limited.

3 hours.

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441. LATIN (Full course). Roman Historians.

3 hours. *Professor Carruthers*

442. LATIN (Full course). Roman Satire: Horace and Juvenal.

3 hours. *Professor Carruthers*

For Honours courses, continuation courses and other courses in Classics, see below (page 1051).

OTHER COURSES

ANCIENT HISTORY 110.—GREEK AND ROMAN HISTORY (Full course). A general course available both to First year students and to those in the upper years. A survey of Greek and Roman history from the origins to the beginning of the Middle Ages.

3 hours. *Professor Gordon*

Text: Ancient History, C. E. Robinson (Macmillan).

ANCIENT HISTORY 221.—GREEK HISTORY (Full course). The origin, development, achievements, and decay of the Greek city-state society, from the time of Homer to Alexander the Great. Particular attention will be paid to Greek life and culture and to Greek contributions to modern civilization.

3 hours. *Professor Gordon*

Ancient History 110, though not a prerequisite, is desirable for students taking this course and Ancient History 222.

ANCIENT HISTORY 222.—ROMAN HISTORY (Full course). The political and social development of the Roman state from its origins to the time of Augustus, with particular attention to the collapse of the Republic and the founding of the Principate.

3 hours. *Professor Gordon*

(*Not given in 1959-60.*)

CLASSICS 200.—CLASSICS IN TRANSLATION (Full course). For Second, Third and Fourth year students. Each student will select, for special study, one of four fields (Epic Poetry, Drama, History, Ethical and Political Theory). The examination will be in two parts of equal value, one on the special field, the other on general knowledge.

3 hours. *Professor McCullagh*

CLASSICS 331.—COMPARATIVE GRAMMAR. For Third year Honours students (Half course).

2 hours. *Professor Carruthers*

LINGUISTICS 221.—INTRODUCTION TO THE STUDY OF LANGUAGE. Available to Second, Third, and Fourth year students (Full course). An elementary survey of human speech, its nature, origin, structure, and classification;

principles of linguistic change; writing and the alphabet; universal and auxiliary languages.

3 hours. *Professor Carruthers*

HONOURS COURSES IN CLASSICS

Students will take two full courses each year both in Latin and in Greek, and, in addition, Classics 331 and Ancient History 110.

Honours in Latin or Greek may be combined with Honours in another subject, as follows:

1. **Greek and Philosophy.** Students entering without Greek must take Greek in the First year. *Second year:* two courses of Greek 221, 222, 223; Philosophy 200 and 300 (if the special field is Ethics) or Philosophy 200 and either 310 or 320 (if the special field is Systematic Philosophy). *Third year:* Greek 331 and 332; Philosophy 350 and 360. *Fourth year:* Greek 441 and 442; Philosophy 370 or 420 or 440 or 340; Philosophy 400 (if the special field is Ethics) or Philosophy 410 (if the special field is Systematic Philosophy). Additional courses must be approved by the two Departments.

2. **Latin and Philosophy.** Students will take the regular Latin course of the First year. *Second year:* two courses of Latin 221, 222, 223, Philosophy 200 and 300 (if the special field is Ethics) or Philosophy 200 and either 310 or 320 (if the special field is Systematic Philosophy). *Third year:* Latin 331 and 332; Philosophy 350 and 360. *Fourth year:* Latin 441 and 442; Philosophy 370 or 420 or 440 or 450; Philosophy 400 (if the special field is Ethics) or Philosophy 410 (if the special field is Systematic Philosophy). Additional courses must be approved by the two Departments.

3. **Latin and Spanish** Students will take the regular Latin and Spanish courses of the First year. *Second year:* Two courses of Latin 221, 222, 223; Spanish 21 and 22; Linguistics 221. *Third year:* Latin 331 and 332, Spanish 31 and 33. *Fourth year:* Latin 441 and 442; Spanish 41 and 42. An additional course may be required in the Third and the Fourth year.

4. **Latin and English.** See description under the Department of English.

5. **Greek and English.** See description under the Department of English.

6. **Latin and French.** See description under the Department of Romance Languages.

7. **Latin and German.** See description under the Department of German.

8. **Greek and German.** See description under the Department of German.

All Honours courses must be approved by the Department.

CONTINUATION COURSES

Students offering Latin (or Greek) as a Continuation subject will take one course in their Second, Third, and Fourth years.

GRADUATE COURSES IN CLASSICS

See the Announcement of the Faculty of Graduate Studies and Research.

ECONOMICS AND POLITICAL SCIENCE

Professors	J. R. MALLORY, *Chairman*
	E. F. BEACH
	G. E. G. CATLIN
	F. C. JAMES
	H. D. WOODS
	D. McC. WRIGHT
Associate Professors	IRVING BRECHER
	MICHAEL BRECHER
	K. B. CALLARD
	J. T. CULLITON
	J. C. WELDON
Assistant Professors	S. J. FRANKEL
	M. K. OLIVER
	R. C. PRATT
Lecturers	K. J. CHARLES
	I. D. PAL
	T. F. WISE
Sessional Lecturer	A. BROMKE

With the assistance of the following members of the School of Commerce: Professor E. W. Kierans, Assistant Professor D. E. Armstrong.

ECONOMICS COURSES

100. ECONOMIC HISTORY. First year (Full course). Evolution of economic institutions; the ancient empires; economic and social aspects of the decline and fall of the Roman Empire; mediaeval agrarian economy; fairs, towns and trading companies; mediaeval money; the voyages of discovery; religion and the rise of capitalism; nationalism and mercantilism; the colonial system; the beginnings of modern banking; the great

inventions and the factory system; North American industrial development; trade unions and the co-operative movement; legislative protection of the worker; international finance; rise and fall of the gold standard; evolution of the central banking function; recent economic changes.

3 hours. *Professor James*

211H. INTRODUCTION TO ECONOMIC THEORY. Second year (Full course). An introduction to economic analysis covering general price theory, the theory of the firm, theory of production and distribution, and general equilibrium theory.

3 hours. *Professor Beach*

This course is prerequisite to all Honours courses in Economics.

211G. ELEMENTS OF POLITICAL ECONOMY. Second year (Full course). Production, distribution, and exchange of goods; money and banking; price; international trade and foreign exchange; labour and trade unions; related topics.

3 hours. *Professors Culliton and Weldon*

This course is prerequisite to all courses in Economics except Economics 100 and 361.

211C. PRINCIPLES OF ECONOMICS. Second year (Full course). An introduction to the general principles of economics, covering monetary systems, price levels, national income, production, competition, and international trade.

3 hours. *Professor Wright*

This course is prerequisite to all courses in Economics except Economics 100 and 361.

300. ECONOMIC HISTORY OF MODERN BRITAIN. Third or Fourth year (Full course). Traces the course of British economic development from the breakdown of the mediaeval system to the present day. Particular attention is paid to the influence on British history of population movements; the introduction of new techniques in agriculture, transportation, industry, and finance; and the economic development of overseas areas.

3 hours.

(*Not given in 1959-60.*)

311. HISTORY OF ECONOMIC THOUGHT. Third or Fourth year (Full course). A critical study of the writings of the great economists, with particular reference to the period from Adam Smith to the present day.

For Honours students only.

3 hours. *Professor Irving Brecher*

321G. MONEY AND BANKING. Third year (Full course). Theory and practice of money and credit; organization and operations of financial institutions; monetary policy; concept and function of money; early history of credit institutions; the crisis of 1825, the Peel Bank Act, and the development of the British financial system; the National Banking System in U.S. and the evolution of the Federal Reserve System; early development of Canadian banking; effects of World Wars I and II and of the Great Depression on U.S., U.K., and Canadian banking; monetary policy and economic fluctuations.

3 hours. *Professor Kierans*

321H. MONEY AND BANKING. Third year (Full Course).

For Honours Students.

3 hours. *Professor Weldon*

322b. ECONOMIC DYNAMICS. Third and Fourth year (Half course). An examination of the methodological problems of model building. Covers formation of expectations, planning under uncertainty, aggregation problem, period analysis, solution of simple difference and differential equations. Special consideration is given to the monetary aspects of macro-models.

Second term: 3 hours. *To be announced*

Prerequisite: First term of Economics 321.

331. ECONOMIC POLICY. Third and Fourth year (Full course). A study of governmental economic policy in its political and administrative setting. Topics to be discussed will include property and the political system, monetary-fiscal policy, commercial policy, anti-monopoly policy, agricultural policy, the independent regulatory commission, the public corporation, and economic planning. The techniques of public and legislative control over each sphere of economic policy will be examined. Close integration of the relevant subject-matter in economics and political science will be attempted.

3 hours. *Professor Irving Brecher and others*

Prerequisite: Economics 211C, G, or H and Political Science 211G or H or 212. This course may be taken for continuation in Political Science.

335a. MONOPOLY, COMPETITION, AND PUBLIC POLICY. Third and Fourth year (Half course). A study of the structure and performance of industrial markets, with particular emphasis on the problems of maintaining effective competition. Canadian, American and British experience will be examined. Readings will cover leading law cases, as well as relevant economic literature.

First term: 3 hours. *Professor Irving Brecher*

341. LABOUR ECONOMICS AND INSTITUTIONS. Third year (Full course). The first half of the course will deal with the origins of labour problems in modern industrial organizations, trade unions, co-operative societies, credit unions, labour political movements, labour legislation and governmental organizations in the labour field. The second half will apply economic theory to a number of the principal issues in labour relations; it will include the theory of wages and employment and the impact of unions.

3 hours. *Professor Woods*

351. CANADA: GEOGRAPHIC, INDUSTRIAL, AND ECONOMIC PROBLEMS. Third year (Full course). This course consists of discussions on current economic and political problems in Canada with special emphasis on their origins, causes, and possible solutions, e.g., the wheat problem, the coal problem, etc.

3 hours. *Professor Culliton*

361. ECONOMIC STATISTICS. Third year (Full course). Description of frequency distributions including averages, dispersion, and skewness. Charting and analysis of time series: trend lines, seasonal indexes, and measurement of cyclical fluctuations. Index numbers. Simple linear correlation. An introduction to Statistical Inference covering the following topics; elementary distributions, sampling, tests of statistical hypotheses, and estimation of population parameters.

2 hours lectures, 2 hours laboratory. *Professor Beach*

Prerequisite: Mathematics 111; Economics 211 is not a prerequisite.

363a. ECONOMETRICS I. Fourth year (Half course). An elementary mathematical treatment of basic economic theory. Attention is chiefly given to technique.

First term: 3 hours. *To be announced*

371a. CAPITALISM, SOCIALISM AND DEMOCRACY. Third or Fourth year (Half course). A discussion of the inter-relationships of economic and political organization as parts of the pattern of a democratic culture. Readings will include selections from Schumpeter, Hayek, Karl Marx, Wright, Keynes, the American Constitutionalists, and others.

First term: 3 hours. *Professor Wright*

This course may be taken for continuation in Political Science.

400. THE ECONOMIC HISTORY OF NORTH AMERICA. Third or Fourth year (Full course). Deals primarily with Canada and the influence of the United States on Canadian economic development. The cod fisheries; fur trade,

settlement, and the struggle for the continent; breakup of the first British Empire; Confederation; commercial policy; railways; twentieth century industries.

(*Not given in 1959-60.*)

411. ADVANCED ECONOMIC THEORY. Fourth year (Full course). An attempt to formulate the theoretic problems on the frontiers of the science and to study attacks on these problems in the recent literature.

For Honours students only.

3 hours. *Professors Weldon and Wright*

Prerequisite: Economics 311.

412. ECONOMIC ANALYSIS. Third or Fourth year (Full course). Analysis of the economic problems of the firm; the determination of the demand curve; the forecasting of demand; the measurement of costs; pricing problems in various types of markets; the determination of optimum policies for such matters as advertising, packaging, and premiums.

3 hours. *Professor Armstrong*

421. PUBLIC FINANCE. Third or Fourth year (Full course). A seminar course divided into three parts. 1. The theory of public finance. 2. A study of Canadian public finance at the federal, provincial and municipal levels. 3. Special problems of Canadian public finance. Emphasis will be placed on Part 3, which will include consideration of such topics as tax-rental agreements, regional redistribution of income by provincial and federal governments, the effects of the Canadian tax structure on business, and the problem of stabilizing employment in the Canadian federation.

3 hours. *Professor Armstrong*

422a. ECONOMIC FLUCTUATIONS. Fourth year. Analysis of the nature and causes of fluctuations in income, employment, prices, production, etc. The three types of cycle: Kitchin, Juglar, and Kondratieff; secular stagnation, the concept of national income; major components; fundamental savings-investment and monetary flow equations; the multiplier; the relation; interactions of multiplier and relation; the Schumpeter model; the Kalecki-Kaldor model; the Hayek model; the Keynesian system; Hansen and the doctrine of economic maturity.

For Honours students only.

First term: 3 hours. *Professor Armstrong*

Prerequisite: Economics 321.

422b. FISCAL POLICY. Fourth year (Half course). This course is concerned with actual and proposed economic policies for the maintenance of full employment without inflation. Nature of the employment problem; policy implications of various explanations of economic fluctuations; policy implications of "long wave" and "stagnation" theories; policies to stimulate private investment; policies to increase consumer spending; public investment policy; monetary vs. fiscal policy; tax reduction vs. increased expenditures; foreign trade policy and employment; debt management.

For Honours students only

Second term: 3 hours. *Dr. Pal*

Prerequisite: Economics 422a.

424. INTERNATIONAL TRADE AND FINANCE. Third and Fourth year (Full course). 1. Volume and composition of international trade; international commodity markets; international money and capital markets; dynamics of trade and investment. 2. International analysis and international trade; international income flows and the mechanism of adjustment; international income flows and the level of economic activity; international trade and the international allocation of resources; the distribution of income under free and restricted trade; the gains from free and restricted trade; the international spread of income changes. 3. Ends of international economic policy; post-war recovery programmes; international monetary funds, and international monetary and exchange-rate policy; tariffs, trade agreements, and the struggle for multilateralism; the problems and possibilities of international investment: direct and portfolio; Export-Import Bank; International Bank; future of private investment and multilateral trade.

3 hours. *Dr. Pal*

Prerequisite: Economics 321.

425. INVESTMENT ANALYSIS AND CORPORATION FINANCE. Fourth year (Full course). Part I—The nature of investment; capital markets; investment funds; classes of securities; concepts of income, risk, value and appreciation; analysis of financial statements; stock market; investment policy. Part II—Forms of business organization; growth of the corporation; the managerial revolution; sources of funds; management of fixed and working capital; ratio analysis; expansion, reorganization and valuation.

3 hours. *Professor Kierans*

431. INTERNATIONAL COMMODITY CONTROLS. Fourth year (Full course). This course includes, as well as international commodity controls, the wider question of monopolies, cartels, patents, and monopoly legislation. It is conducted along seminar lines.

3 hours.

(*Not given in 1959-60.*)

432. TRANSPORTATION. Fourth year (Full course). History and development of the Canadian transportation system; economic characteristics of the various transportation media; comparative analysis of cost and rate structures; problems of regulation and control.

3 hours. *Professor Culliton*

441. INDUSTRIAL RELATIONS. Third and Fourth year (Full course). An introduction to the problems of employer-employee relations, including the management of personnel, legislation, employee organizations, and the State function and public interest in industrial relations. Plant visits and reports are an integral part of the course.

3 hours. *Professor Woods*

442. COLLECTIVE BARGAINING. Fourth year (Full course). A seminar course involving an intensive study of collective bargaining institutions and techniques, grievance procedures, law and the state machinery for industrial relations. The course covers trade unionism, employers associations, collective agreements, negotiations, the content of such agreements, conciliation, and arbitration. Experience in other industrial countries is also examined.

Students are admitted only by permission of the instructor.

3 hours. *Professor Woods*

461b. ECONOMETRICS II. Fourth year (Half course). A development of the mathematical aspects of econometrics. Attention is chiefly given to selections from the recent literature.

Second term: 3 hours. *To be announced*

Prerequisite: Economics 363a or equivalent.

462a. STATISTICAL INFERENCE. Fourth year (Half course). A continuation of the statistical theory of sampling, reliability, estimation, and testing of hypotheses developed in Economics 361.

3 hours.

Prerequisite: Economics 361.

POLITICAL SCIENCE COURSES

Political Science 211G, 211H or 212, and either History 100 or Economics 100, are prerequisite to all Third and Fourth year courses in Political Science. Honours students will take Political Science 211H.

211G. COMPARATIVE GOVERNMENT. Second year (Full course). An introduction to the theory and practice of modern govermment. This involves a comparative study of the institutions and experience of contemporary constitutional and dictatorial states.

2 hours and conference. *Professor Callard*

211H. COMPARATIVE GOVERNMENT. Second year (Full course).

For Honours students.

3 hours. *Professor Frankel*

212. INTRODUCTION TO POLITICS. Second, Third or Fourth year (Full course). An analysis of the basic concepts of Political Science, with illustrations drawn mainly from the experience of constitutional and dictatorial government as practised in certain modern states. In the second term, the emphasis is upon international relations.

(*Not given in 1959-60.*) *Professor Catlin*

311. HISTORY OF POLITICAL THEORY. Third year (Full course). A survey of the development of Western political thought from ancient Greece down to the present.

3 hours. *Professor Catlin*

312b. WESTERN POLITICAL PHILOSOPHY. Third year (Half course). A survey of the broad outlines of Western political philosophy, especially in the modern period, designed for students in the fields of political science, philosophy and history without prior specialized study in political theory.

(*Not given in 1959-60.*)

322. PARLIAMENTARY GOVERNMENT IN THE BRITISH COMMONWEALTH. Third or Fourth year (Full course). The structure of parliamentary and cabinet government in the United Kingdom, and a discussion of its modifications to meet the requirements of the other autonomous countries of the Commonwealth; the machinery of Commonwealth co-operation.

3 hours. *Professors Mallory and Oliver*

323. POLITICS AND GOVERNMENT IN ASIA. Third or Fourth year (Full course). A consideration of the origins and development of the political systems which have emerged in Asia since the end of World War II, with particular attention to India, Pakistan, China and Japan.

3 hours. *Professor Michael Brecher*

324a. COLONIALISM. Third or Fourth year (Half course). A study of the theory and practice of colonialism, the government and politics of contemporary colonial territories, their significance internationally, and the experience and the problems of introducing democratic institutions of self-government in these territories.

First term: 3 hours. *Professor Michael Brecher*

325b. THE GOVERNMENT OF THE UNITED STATES. Third or Fourth year (Half course). A study of the Constitution, the political institutions, and the working of Congressional Government in the United States.

Second term: 3 hours. *Professor Callard*

341. PUBLIC ADMINISTRATION. Third or Fourth year (Full course). A study of the machinery of government, with examples drawn mainly from Canada, the United States, and the United Kingdom. The increasing size and complexity of modern government; the problem of bureaucracy; central control of policy; the civil service; other agencies of government, regulatory and commercial; the legislature and the administration; the courts and the administration; public control and accountability.

2 hours and conference.

(*Not given in 1959-60.*)

343a. MUNICIPAL GOVERNMENT. Third or Fourth year (Half course). A study of systems of local government in Great Britain, the United States and Canada, and an examination of municipal problems of law, politics, and finance.

First term: 3 hours. *Professor Callard*

344. INTERNATIONAL RELATIONS. Third or Fourth year (Full course). A study of the theory and practice of international politics and organization. The course will deal with the nature, forms and components of state power; balance of power; objectives and motivations of foreign policy; nationalism; imperialism; international morality; international law; diplomacy; structure and dynamics of the League of Nations and the United Nations; selected problems in contemporary international politics.

3 hours. *Professor Michael Brecher*

351. GOVERNMENT OF CANADA. Third or Fourth year (Full course). The working of parliamentary federations in Canada. The problems of federal-provincial relations; the structure of parliamentary government; the evolution of national status.

3 hours. *Professor Mallory*

352. FRENCH CANADIAN POLITICS. Third or Fourth year (Full course). An examination of the development of French Canadian political thought and behaviour from the early 19th century to the present day. Particular attention will be paid to French Canadian nationalism, the nature of French Canadian participation in political parties and the parliamentary process at both the provincial and federal levels, and to the impact of industrialization in the modern period. The course will end with a consideration of current political and constitutional issues on which there

are distinctive French Canadian viewpoints. Students who register must have a good reading knowledge of French.

3 hours. *Professor Oliver*

Prerequisites: Political Science 351 or History 305 (With the consent of the Instructor the prerequisite course may be taken concurrently with Political Science 352).

353b. FEDERALISM. Third or Fourth year (Half course). An examination of the characteristics of federal systems and the application of the techniques of federal government to multicultural and other nonhomogeneous countries. Particular attention will be paid to the factors of race, religion, language, and geography in creating the conditions which make federalism desirable and to such problems as the division of legislative power, judicial review, and constitutional amendment.

Second term: 3 hours. *Professor Mallory*

Prerequisites: Political Science 211 H or 211 G and Political Science 351.

355a. POLITICAL PARTIES. Third or Fourth year (Half course). A comparative study of the organization, rôle and functioning of political parties and the party system in constitutional states.

First term: 3 hours. *Professor Frankel*

411a. ADVANCED POLITICAL THEORY. Fourth year (Half course). An advanced course mainly for Honours students. The course will deal with selected topics in recent political theory. In particular it will deal more intensively with certain problems of contemporary importance, such as modern totalitarian theory, which are necessarily treated only briefly in Political Science 311.

First term: 3 hours. *Professor Oliver*

Prerequisite: Political Science 311.

412b. A STUDY OF BOLSHEVISM. Fourth year (Half course). An examination of the ideological background of Soviet Communism and its role in the process of gaining and maintaining political power. Political thought from Marx to Mao Tse Tung; the Leninist concept of party and revolution; the Russian and Chinese revolutions; government and politics in the U.S.S.R.

Second term: 3 hours. *Professor Frankel*

Prerequisites: Political Science 311 *or* Economics 371a.

Note:—Philosophy 400, Constitutional Law, and Jurisprudence may be offered, by permission of the Department, as courses in Political Science.

CONTINUATION COURSES

Economics and Political Science are regarded as separate disciplines for continuation purposes, with the exception of Economics 331 and Economics 371a.

HONOURS COURSES

The following is the basic programme for students wishing to take full Honours in Economics and Political Science:

Second year: Economics 211H, Political Science 211H, and three elective courses outside the Department but subject to its approval.

Third year: Economics 311, Political Science 311, one additional course in the Department and another approved course outside.

Fourth year: Three approved courses within the Department, one of which must be in the minor field, and one approved course outside.

Courses in the Third and Fourth years will follow a logical sequence and should lead to some specialization in a particular area of the major field. Honours students must consult their departmental advisers about the proper planning of their courses.

JOINT HONOURS

Joint Honours with other Departments may be taken as follows:

(a) Economics and History

First year: Economics 100 *or* History 100 and four other courses as required by Faculty.

Second year: Economics 211H, History 200, *either* History 205 *or* History 210, *either* Political Science 211H *or* Geography 211, one other approved outside course.

Third year: Economics 311, *either* Economics 321 *or* Economics 331, History 305, History 310.

Fourth year: Economics 324, *either* Economics 421 *or* Economics 335a and 371b, History 405, History 420.

(b) Economics and Mathematics

Second year: Two approved full courses in the Department of Economics and Political Science together with Mathematics 225, 226, and one approved outside course.

Third year: Two approved full courses in Economics together with Mathematics 227, 333.

Fourth year: Two approved full courses in Economics together with Mathematics 339 and any other approved elective course which may be, if desired, a second Mathematics course selected with the approval of the Chairman of the Mathematics Department.

(c) Economics and Philosophy

First year: Students contemplating joint Honours in Economics and Philosophy should consult the two departments in the choice of first year electives.

Second year: Economics 211H, Philosophy 300, Philosophy 310, and two approved outside courses.

Third year: Economics 311, *either* Philosophy 350 *or* Philosophy 360, and two other courses to be chosen in consultation with the two departments, with a view to Fourth year specialization.

Fourth year: Economics 411, *either* Philosophy 350 *or* Philosophy 360 (whichever was not taken in the Third year), one other course in Economics in an approved field of specialization, and one other approved course.

Joint Honours Comprehensives: At the end of the Fourth year, students will sit a comprehensive examination consisting of the following papers:

Ethics and Political Philosophy
The History of Philosophy
Major paper in Economics
Special subject in Economics.

Ordinary course examinations in the two departments are replaced by these four papers.

(d) Political Science and Sociology

Second year: Political Science 211H and Sociology 210.

Third year: Political Science 311, 355a and either Political Science 343a or Economics 371a; Sociology 301 and 304.

Fourth year: Political Science 411a, 515 (Graduate seminar in political theory) and one other approved full course; Sociology 302 and 401.

The programme may be modified in consultation with Departmental advisors.

(e) Anthropology and Political Science (see page 1157)

(f) History and Political Science (see page 1103)

(g) Philosophy and Political Science (see page 1121)

THE WRITTEN COMPREHENSIVE EXAMINATIONS FOR HONOURS B.A.

Examinations at the conclusion of the Fourth year will normally be as follows:

(a) *A Major paper:* This will be a two-part examination. Part I (3 hours) will be the course examination(s) on the Major subject taken in the Fourth year (e.g., Economics 411, Political Science 411a, etc.). Part II (2 hours) will be of a more general and comprehensive character and will attempt to test the student's ability to integrate his knowledge of the Major field. It will be based, to a large extent, on the subject matter of Economics 211H and 311 for Economics students, or, for Political Science students, Political Science 211H and 311.

(b) *A Minor paper:* This will be the regular course examination on the subject in the Minor field taken during the Fourth year.

(c) *A Special paper:* This examination will cover the field chosen by the student for specialization and will be based on the sequence of courses in this field and on special reading and research. Examples of fields for specialization are, in Economics, Economic Theory, Labour Economics, International Trade, etc., and, in Political Science, Political Theory, Public Administration, International Relations, etc.

Note: The grade or grades assigned to the course or courses constituting the Major subject will be based on the results of both the course examination(s) and the comprehensive part of the Major paper (e.g., the grade for Political Science 411a will include a weight for the results of the comprehensive part of the final Major paper).

There are no further examination requirements in the three courses normally taken in the Department during the Fourth year. It should be noted that the student is responsible for the regular examination in the course taken outside of the Department, or in the fourth course which is taken within the Department in lieu of an outside course. Thus, the Honours student writes four examinations in all at the end of his final year.

In preparation for the Comprehensive Examinations, course work will be supplemented during the Third and Fourth years by tutorial instruction.

Honours students in Economics or Political Science in the School of Commerce should consult the School of Commerce Announcement.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

EDUCATION

MEMBERS OF THE STAFF OF THE INSTITUTE OF EDUCATION

COURSE OFFERED AS A SUBJECT FOR THE B.A. OR B.Sc. DEGREE

EDUCATION 400. PHILOSOPHICAL FOUNDATIONS OF EDUCATION

An examination of significant philosophical ideas which have influenced Western education.

3 hours a week.

For courses in Education offered for the B.Ed. degree; for courses leading to the High School Diploma; and for Regulations of the Protestant Committee governing the award of teaching diplomas; see the separate Announcement of the Institute of Education.

ENGLISH

Professors
RALPH S. WALKER, *Chairman*
H. G. FILES
JOYCE HEMLOW

Associate Professors
ALEC LUCAS
HUGH MACLENNAN
ARCHIBALD E. MALLOCH

Assistant Professors
CONSTANCE BERESFORD-HOWE
CURTIS D. CECIL
LOUIS DUDEK
ALAN HEUSER
SLAVA KLIMA
MARTIN PUHVEL
GORDON F. SLEIGH

Lecturers
WILLIAM T. BOOTH
KEITH BROWN
JANET E. M. JACKSON
GEORGE MATHEWSON
WILLIAM PROUTY
HARRY M. RITCHIE
MARGERY E. SIMPSON
HUGH D. SPROULE
DONALD WALLACE

Note:—In electing courses, the student should bear in mind that (1) some of the English courses cannot be offered in the current session, but will normally be offered in the next session; and (2) some courses admit only a limited number of students, or require special qualifications for admission. A student who wishes to elect a course but, who, after examining the Announcement, is uncertain of his eligibility, should consult the instructor responsible for the course.

COURSES FOR STUDENTS IN THE FIRST YEAR

100. ENGLISH LITERATURE (Full course). A selection of major works in the English literary tradition from medieval to modern times.

3 hours (2 lectures and 1 tutorial meeting).

Professor Walker and members of the Department

100C. ENGLISH COMPOSITION. See p. 1020. At the beginning of the session students will be required to take a test in Composition. Those who achieve a high standard in the work of the class may be exempted from the final examination.

1 hour weekly throughout the session.

Professor Lucas and members of the Department

REGISTRATION IN ENGLISH 100 AND 100C: It is important to register at the start of the session. Classes missed through late registration are counted as absences: no student whose unexcused absences exceed one eighth of the number of meetings in the Course is permitted to write the final Examination. Assignments unfulfilled because of late registration cannot be made up: marks obtained for assignments provide 50% of the final grade for the Course.

Those required to repeat the Course are subject to all the regulations governing First year students.

150. ELEMENTARY ENGLISH COMPOSITION. This course is especially designed to help students whose native tongue is not English and who have particular difficulty in writing correct, idiomatic English.

First year students whose native tongue is not English, and whose proficiency in the use of English is not such, in the opinion of the Department, as to enable them to profit adequately from Course 100C, will be directed to take Course 150 before proceeding to Courses 100 and 100C. First year students not so directed, and students in other years, may, with the permission of the instructor, elect this course, *but they cannot gain from it any credit towards a degree.*

3 hours weekly throughout the session. *Miss Jackson*

COURSES OPEN TO STUDENTS IN THE SECOND YEAR

Courses open to students in the Second year cannot be taken twice for credit, even when their content is changed from year to year.

200. SHAKESPEARE (Full course). For Second year students only.
3 hours. *Professor Walker*

220. ENGLISH LITERATURE IN THE EIGHTEENTH CENTURY (Full course).
3 hours. *Professor Files*
(*Not given in 1959-60.*)

230. ENGLISH LITERATURE IN THE NINETEENTH CENTURY (Full course). For Second year students only. Recommended as a suitable continuation course.
3 hours. *Professor Sleigh*

240. AMERICAN LITERATURE (Full course). From the literary beginnings to the end of the nineteenth century. *Professor Files*

250. CREATIVE WRITING—INTERMEDIATE (Full course).
Hours to be arranged. *Professor Beresford-Howe*
Registration is strictly limited to those who can produce evidence of special talent in original composition. Students must have the instructor's permission to take this course.

290. THE GREAT WRITINGS OF EUROPE (Full course). For 1959-60 the period studied will be from 1750 to 1850. Most of the works studied are available in translation.
2 lectures and 1 conference weekly. *Professor Dudek*

COURSES OPEN TO STUDENTS IN THE THIRD AND FOURTH YEARS

Third and Fourth year students may take any of the courses open to Second year students except English 200 and 230.

300. OLD ENGLISH (Full course). English Language and Literature up to the Norman Conquest. The course includes reading from Anglo-Saxon prose in the first term; and in the second, a study of heroic poetry. The texts used are: Bright, *Anglo-Saxon Reader* and *Beowulf*, ed. Klaeber. The course is open to Third and Fourth year students taking Honours in English or in English combined with another subject. *Third and Fourth year students in other categories must have the instructor's permission to take the course.*

Students who propose to proceed to the M.A. in English should note that, if Course 300 has not been included in their undergraduate work, it must be included in their graduate work.

3 hours. *Professor Puhvel*

305a. CHAUCER (Half course). A study of *The Canterbury Tales*, their sources and analogues. Robinson's text (the Student's Cambridge Edition of the Complete Works) is used.

First term: 3 hours. *Professor Hemlow*

305b. CHAUCER (Half course). A study of the dream-vision poems and of the Troilus story.

Second term: 3 hours. *Professor Hemlow*

310. MIDDLE ENGLISH (Full course). Studies in Middle English Literature (exclusive of Chaucer). The course is open to students who have taken either Old English or Chaucer. Brandl and Zippel, *Middle English Literature* is used in the first term, *Gawain and the Green Knight* (ed. Tolkien and Gordon) and *The Pearl* (ed. Gordon) in the second.

3 hours. *Professor Puhvel*

315b. NON-DRAMATIC LITERATURE OF THE FIFTEENTH AND SIXTEENTH CENTURIES (Half course). A survey of non-dramatic literature from Sir Thomas More to Spenser, with special reference to humanistic theories of literature and education, and to the development of poetic techniques.

Second term: 3 hours. *Professor Hemlow*

318a. SIDNEY AND SPENSER (Half course). The Renaissance theory of poetry, and a study of the *Faerie Queene* in relation to its historical, philosophical, ethical, social and literary backgrounds.

First term: 3 hours. *Professor Hemlow*

318b. MILTON (Half course). A study of *Paradise Lost*, *Paradise Regained* and *Samson Agonistes*.

Second term: 3 hours. *Professor Malloch*

320. ENGLISH LITERATURE IN THE SEVENTEENTH CENTURY (Full course).

3 hours. *Professor Malloch*

322a. POETRY OF THE ROMANTIC PERIOD: 1780-1840 (Half course).

First term: 3 hours. *Professor Lucas*

322b. POETRY OF THE VICTORIAN PERIOD: 1840-1890 (Half course).

Second term: 3 hours. *Professor Lucas*

324. SHAKESPEARE (Full course). A detailed study of selected plays, none of which are on the reading-list for the Second year Shakespeare course. This may be taken as a continuation course following on English 200.

3 hours. *Professor Walker and Mr. Ritchie*

325. ENGLISH DRAMA FROM THE BEGINNINGS TO 1642, EXCLUDING SHAKESPEARE (Full course).

3 hours. *Professor Cecil*

(*Not given in 1959-60.*)

330. ENGLISH DRAMA FROM 1660 TO THE PRESENT (Full course).

3 hours. *Professor Cecil*

331. CONTINENTAL EUROPEAN AND AMERICAN DRAMA FROM IBSEN TO THE PRESENT (Full course).

3 hours. *Mr. Ritchie*

335. THE ENGLISH NOVEL FROM THE BEGINNINGS TO THE PRESENT TIME (Full course). This course includes some reference to foreign work and to related literary types.

3 hours. *Professor Lucas*

336b. THE SHORT STORY (Half course). The history of the short story in English, with some reference to foreign work and to related literary types. Twentieth-century forms and techniques are emphasized.

Second term: 3 hours. *Professor Beresford-Howe*

340. STUDIES IN LITERATURE SINCE 1900 (Full course). Contemporary authors, English and American, with special emphasis on novelists and dramatists.

3 hours. *Professor Files*

341a. and b. CANADIAN LITERATURE. The development of prose literature and poetry in Canada from the beginnings to the present time.

3 hours. *Professors MacLennan and Dudek*

345. ENGLISH PROSE FROM BACON TO THE PRESENT (Full course). The purpose is to trace the development of English prose expression, to show how the powers of the language have become enlarged as writers have responded to the challenge of new ideas and new inventions in writing techniques. Authors representative of each period are studied in detail and include non-fiction writers, novelists, and biographers.

3 hours. *Professor MacLennan*

355a. THE ART OF POETRY (Half course). A study of poetic forms and techniques. Though the course is intended for students of literature generally, the practising writer will find it useful: students are encouraged to submit work of their own for critical discussion in conference.

First term: 3 hours. *Professor Dudek*

365. POETRY OF THE TWENTIETH CENTURY (Full course). A survey of recent poetry by British and American authors.

Texts: The collected poetry of W. B. Yeats, T. S. Eliot, Robert Frost, Ezra Pound, W. H. Auden, and Dylan Thomas.

3 hours. *Professor Dudek*

370. CROSS-CURRENTS BETWEEN ENGLISH LITERATURE AND THE EUROPEAN LITERATURES IN THE 18TH CENTURY (Full course). This course deals with the influence of continental literature and criticism on the English neo-classicism of the 18th century, and with the influence of English literature and criticism on European writers from the time of Voltaire to the rise of Byronism. It includes reference to the works of French, German and Italian authors. A reading knowledge of French is a prerequisite.

3 hours. *Professor Klima*

(*Not given in 1959-60.*)

375. EUROPEAN HUMANISM AND ENGLISH LITERATURE IN THE 20TH CENTURY (Full course). The texts are available in English translation, but a reading knowledge of French or German is desirable.

3 hours. *Professor Klima*

380a. BIBLIOGRAPHY (Half course). An introduction to the apparatus and methods of scholarship in literary studies. *Open to Honours students. Others may register only by permission of the Department. Students intending to proceed to the M.A. in English should note that this is a required course for that degree.*

First term: Hours to be arranged. *Professor Malloch*

395. CREATIVE WRITING—ADVANCED COURSE (Full course). Open to a limited number of undergraduate students who appear well qualified for mature creative writing. Application for permission to take this course should be made at the beginning of the session. *Registration is limited.*

Hours to be arranged. *Professor Files*

HONOURS CURRICULUM IN ENGLISH

A student wishing to take full Honours in English must, during his Second Third, and Fourth years, take a total of ten courses approved by the Department. These must include Half Courses 305a or 305b (Chaucer) and 315b (16th Century); and Courses 200 or 324 (Shakespeare), 320 (17th Century), 220 (18th Century), 230 (19th Century) for which Half Courses 322a and 322b may be substituted, and 340 (20th Century). The remaining four of the ten courses are to be elected from those approved as Honours Courses by the Department, and may include Cognate Courses as in the list given below. It should be noted that English 220, though not given in 1959-60, will be given in 1960-61.

The normal procedure is that the student takes English 200 and English 230 in his Second year and four courses in each of his Third and Fourth years.

HONOURS IN ENGLISH COMBINED WITH ANOTHER SUBJECT

Students may take Honours in English combined with any one of the following subjects: French, German, Greek, History, Latin, Philosophy. The requirements for each of these combinations are as follows:

Joint Honours in English and French

1st year: English 100; French 11 or 13; three other courses.

2nd year: English 200 and 230; French 21 (or 23) and 22; one other course.

3rd year: English 320 with French 31, *or* English 220 with French 32; English 335 with French 45, *or* English 340 (or 365) with French 47, *or* English 305a (or 305b) with French 44; History 320 or Linguistics 21.

4th year: English 305a (or 305b) with French 44; English 318b; French 41 and 48; another course to be selected in consultation with the Departments, preferably History 200, Philosophy 360, or Art 301.

Joint Honours in English and German

1st year: English 100; German 1 (or its equivalent); three other courses.

2nd year: English 200; two German courses chosen from 3, 4 and 5; two other courses to be selected in consultation with the Departments.

3rd year: English 320 (or 220), 322a and 322b; two German courses chosen from 5, 6 and 7.

4th year: Two English courses chosen from 325, 330 and 331; two full German courses chosen from 6, 7, 9, 10 and 11.

Joint Honours in English and Greek

1st year: English 100; Greek 1; three other courses.

2nd year: English 200 and 230; Greek 221 and 222; one other course to be selected in consultation with the Departments.

3rd year: English 305b, 315b, and 318b; Greek 331 and 332.

4th year: English 320 (or 220); Greek 441; *either* English 325 (or 330) *or* English 318a and Greek 442.

Joint Honours in English and History

1st year: English 100; History 100; three other courses.

2nd year: English 200 and 230; History 210 and 200 (or 205); another course to be selected in consultation with the Departments.

3rd year: English 220 and 320; History 326 and a special subject in the field of English History.

4th year: English 305a, 305b (or 322a), 315b and 318b; History 310 (or 400) and a special subject continued from the 3rd year.

Joint Honours in English and Latin

1st year: English 100; Latin 1, or Latin 100; three other courses.

2nd year: English 200 and 230; two Latin courses chosen from 221, 222 and 223; one other course to be selected in consultation with the Departments.

3rd year: English 305b, 315b and 318b; Latin 331 and 332.

4th year: English 320 (or 220) and 325 (or 330); Latin 441 and 442.

Joint Honours in English and Philosophy

1st year: English 100; four other courses.

2nd year: English 200 and 220 (or 230); Philosophy 200 (if special field is Systematic Philosophy) or 300 (if special field is Ethics); another course to be selected in consultation with the Departments.

3rd year: Two full courses chosen from English 220, 315b, 318a and 320; Philosophy 350 and 360.

4th year: English 305a and 305b with Philosophy 370, *or* English 340 (or 365) with Philosophy 320; Philosophy 410 (if special field is Systematic Philosophy) or 400 (if special field is Ethics.)

COGNATE COURSES

Certain courses offered by other Departments will be accepted as electives for the English Honours degree. The attention of students is called to the following examples of recommended courses: Classics 200, Linguistics 221, German 6, Italian 25a, b and Philosophy 320.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

FINE ARTS

Associate Professor WINTHROP JUDKINS, *Chairman*
Assistant Professors GEORGE GALAVARIS
GUY VIAU

161. FUNDAMENTALS IN DRAWING AND PAINTING (Full course). An introduction to the language of form and color. Sketching and painting from life, still-life, and imagination. Elementary design projects in various media. May be taken in any year as an elective subject.

6 hours. *Professor Viau*

Note: *Except by special consent of the instructor, supplemental examinations will not be given in this course.*

201. INTRODUCTION TO ART. May be taken in Second, Third, or Fourth year (Full course). The aim of this course is to develop the student's understanding and perception of the work of art as a visual medium of expression; and to observe and analyze the sequential development underlying the history of art and its principal epochs up to the present time.

Lecture course supplemented by discussions, written reports, and assigned reading.

3 hours. *Professor Judkins*

301. MODERN ART. Third and Fourth years (Full course). The modern movement in painting, sculpture, and architecture (with its attendant applied arts): its emergence (from about 1850), problems, character, and place in the continuity of art history.

The work will be conducted through lectures, discussions, reading, and reports.

3 hours. *Professor Judkins*

Prerequisite: Fine Arts 201.

321. EUROPEAN PAINTING OF THE RENAISSANCE. Third and Fourth years (Full course). The historical development of the Italian schools of painting, under the impact of Medieval Christianity and Classical Humanism, from the beginning of the 14th century through the High Renaissance. The independent emergence of Flemish painting in the 15th century, and the growth of 15th and 16th century German painting and graphic art.

3 hours. *Professor Galavaris*

331. EUROPEAN PAINTING OF THE 17TH, 18TH, AND 19TH CENTURIES. Third and Fourth years (Full course). The widespread flowering of the Baroque or "painterly" style in the 17th century, particularly in Holland, Belgium,

and Spain; its modifications in 18th century Italy, France, and England; and its various manifestations in the 19th century schools of England and France, culminating in Impressionism.

3 hours. *Professor Galavaris*

401. VENETIAN PAINTING OF THE RENAISSANCE. Third or Fourth year (Full course). A study of the Venetian school of painting from its late beginnings, through its sixteenth century culmination, to its eighteenth century "aftermath", including influences in its development, from the East and particularly from the North. Emphasis will be placed upon the greater names in the school, and attention given to its technical contribution to the Western tradition as well as its role in the development of the Baroque style. Individual or collaborative research problems will constitute an integral part of the course work.

3 hours. *Professor Judkins*

Prerequisite: Fine Arts 201.

(*Not given in 1959-60.*)

FINE ARTS AS A CONTINUATION SUBJECT

For the purposes of Continuation, any one of the advanced courses may be taken in each of the Third and Fourth years, following the introductory historical course (201) in the Second year.

GENETICS

In Montreal

Professor	J. W. BOYES, *Chairman*
Associate Professor	F. C. FRASER
Assistant Professors	E. R. BOOTHROYD
	G. I. PAUL
Assistant Professor and Research Fellow	J. D. METRAKOS
Research Fellow	K. METRAKOS
Research Associate	E. KAFER-BOOTHROYD

At Macdonald College

Associate Professor	R. I. BRAWN
Assistant Professor	W. F. GRANT

21. INTRODUCTION TO GENETICS, HUMAN HEREDITY AND EVOLUTION (Full course). This course is designed to provide a working knowledge of the Mendelian laws, linkage, sex determination, sex-linkage, the origin and nature of hereditary variations, and other basic concepts. Selected

problems introduce the practical applications of these concepts and the laboratory work provides experience with experimental materials and methods. Human heredity is considered with particular reference to disease, mental conditions, and eugenics. An introduction to the theory of evolution in the light of genetic principles is presented.

First term: 2 hours and a 3-hour laboratory period.

Second term: 3 hours. *Professors Boyes and Fraser*

Prerequisites: Botany 100a and Zoology 100b.

Text: Sinnott, Dunn and Dobzhansky, Principles of Genetics.

32a. CYTOLOGY (Half course). The nature and organization of the protoplasm in animal and plant cells are outlined in relation to function. Such subjects as the physical and chemical properties of protoplasm, cytoplasmic inclusions, the organization of the nucleus and its behaviour in mitosis and meiosis, chromosome morphology and movement, etc. are discussed. Laboratory work is designed to give experience in the interpretation of the structure and dynamic processes of the protoplast.

First term: 2 hours and a 3-hour laboratory period. *Professor Boothroyd*

Prerequisite: Genetics 21a or 21.

Texts: De Robertis, Nowinski and Saez, General Cytology, 2nd ed.

32b. CYTOLOGICAL TECHNIQUE (Half course). The student is instructed in the preparation of microscope slides of plant and animal material for the study of the component parts of the protoplast, especially the nucleus. Various fixatives, stains and techniques are used to bring out the details of structure which cannot readily be seen in living material.

Second term: 6 hours laboratory. *Professor Boothroyd*

Prerequisite: Genetics 32a unless special permission is obtained from the instructor.

36b. DEVELOPMENTAL GENETICS (Half course). A consideration of the scientific method as it is used in studying how the gene works in controlling development.

Second term: 3 hours. *Professor Fraser*

Prerequisite: Genetics 21a or 21. Some knowledge of embryology is desirable.

42b. MICROBIAL GENETICS (Half course). An analysis of recent progress in the genetics of micro-organisms such as viruses, bacteria, yeasts, paramecia, algae, fungi, etc.

Second term: 3 hours. *Professor Grant*

Prerequisite: Genetics 21. *Third year students may take this course only if they are concurrently taking Genetics 32a and 36b.*

Texts: Braun, Bacterial Genetics; Beale, Genetics of *Paramecium aurelia.*

(*Not given in 1959-60.*)

43b. ADVANCED CYTOGENETICS (Half course). Consideration of linkage, self-fertilization, polyploidy, interspecific hybridization, irradiation effects, etc.

Second term: 3 hours. *Professors Boyes and Boothroyd*

Prerequisites: Genetics 21a or 21 and 32a.

44. BIOMETRY (Full course). A treatment of the elementary aspects of statistical theory, analysis, and methods, including: probability and probability distributions, statistical inference (estimation and tests of hypotheses), design and analysis of samples, regression and correlation analysis, matrices, analysis of variance, with particular reference to their applications to problems in Biology.

2 hours and a 3 hour laboratory period. *Professor Paul*

Prerequisites: A University course in one of the Biological sciences and Mathematics 111, or the equivalent.

45. GENETICS IN EVOLUTION AND POPULATION DYNAMICS (Full course). A consideration of genetic concepts and processes involved in the origin and maintenance of populations and species, including: the origin of hereditary variations, adaptation, selection, migration, isolation, hybridization, breeding methods, genetic drift, the establishment of genetic equilibrium, the breakdown of species.

3 hours. *Professors Boyes and Paul*

Prerequisite: Genetics 32a.

Texts: Dobzhansky, Genetics and the Origin of Species, third ed.; Lerner, The Genetic Basis of Selection.

46a. THE GENETICS OF MAN (Half course). Principles of heredity and special techniques as applied to the study of man's genetic diversity will be considered at an advanced level.

First term: 3 hours. *Dr. Metrakos*

Prerequisite: Genetics 21. *Third year students may take this course only if they are concurrently taking Genetics 32a and 36b.*

47a or 47b. SPECIAL TOPICS (Half course). This course is for advanced students of high standing who wish to read extensively in a particular field or undertake a minor research problem in Genetics or Cytology. *The Staff*

48a. DESIGN OF EXPERIMENTS (Half course). General principles of experimentation, and designs appropriate to a wide variety of problems. Completely randomized, randomized blocks and Latin square designs: their purposes, design and analysis. Factorial experimentation, interaction, confounding, randomization and error terms. Complex experiments and an elementary treatment of incomplete block designs. Concomitant measurements, sensitivity and control of error variation. Examples drawn from biology. First term: 2 hours and 3 hours laboratory (arranged). *Professor Paul*

Prerequisite: Genetics 44 or the equivalent.

Text: Fisher: The Design of Experiments (Oliver and Boyd).

HONOURS COURSES

The Honours Courses in Genetics are designed to give students a good general knowledge of Biology, plus sufficient Genetics to qualify as a research assistant in Genetics or Cytology and for Graduate Studies in these fields. Students having at least second class standing may, with the approval of the Department, enter the Honours Course in their Second or Third year. Three alternative programmes are offered, one with emphasis on Botany, one with emphasis on Zoology, and one with emphasis on Biochemistry and Bacteriology.

First year: The general B.Sc. curriculum, including Botany 100 or Zoology 100.

Second year: Botany 11b, Chemistry 22, Genetics 21, Zoology 211, one half-course Arts option. Also, *Botany interest students* will take Botany 21, and *Zoology interest students* will take Zoology 221.

Third year: Genetics 32a, 32b and 36b. *Botany interest students* will also take Botany 22a and 31; Zoology 221; Genetics 43b (if given) plus a half-course Arts option, *or*, a full-course Arts option when Genetics 43b is not given. *Zoology interest students* will take (in addition to Genetics 32a, 32b and 36b) Botany 21, Physiology 22, Zoology 322 and a half course Arts option.

Fourth year: Genetics 44, 45 and 43b, a half-course Arts option. *Botany interest students* will take, in addition, Botany 32 and Physiology 22. *Zoology interest students* will take, in addition, Zoology 324 or 325 and Biochemistry 31.

Students may transfer from General Honours in Biological Sciences at the beginning of the Third year. Such transfer students electing the Botany

interest will substitute Physiology 22 for Zoology 221 and add Biochemistry 31 in the Fourth year. Such transfer students electing the Zoology interest will take a full-course Arts option in the Third year plus either Genetics 43b (when given) *or* an additional half course in Zoology.

An alternate Honours Course in Genetics has been approved for students interested in Biochemistry and Bacteriology.

First year: The general B.Sc. curriculum, including Botany 100a (or b) and Zoology 100a (or b).

Second year: One half-course Arts option, Botany 11b, Chemistry 22, Genetics 21, Physiology 22 and Zoology 211.

Third year: A half-course Arts option, Bacteriology 31, Biochemistry 31, Genetics 32a, 36b, 42b or 46a, Zoology 322.

Fourth year: One full-course in Bacteriology, Biochemistry 45, Botany 23a, Genetics 44, 45, 43b, 42b or 46a.

Students of satisfactory standing, and having most of the courses required for the first two years, may be admitted at the beginning of the Third year if there is reasonable prospect that they can complete the requirements for the Honours Course in Genetics by the end of the Fourth year.

CONTINUATION COURSES

Second year: Genetics 21.

Third year: Genetics 32a, 32b, 36b.

Fourth year: Genetics 42b to 47b inclusive, except Genetics 44.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

GEOGRAPHY

Professors	F. K. Hare, *Chairman* Trevor Lloyd
Associate Professors	J. Brian Bird Theo L. Hills
Assistant Professors	R. Norman Drummond J. D. Ives
Lecturer	George H. Michie
Sessional Lecturers	Frank C. Innes John T. Parry
Honorary Lecturer	George Jacobsen

FIRST YEAR

121. THE ELEMENTS OF PHYSICAL GEOGRAPHY (Full course). Scientific study of man's habitat. The course is divided into two main parts:

A. The origin and world distribution of landforms developed under different climates. Major earth resources: water, soils, and minerals.

B. Climate and weather; physical processes and properties of atmosphere. The principal climatic belts of the world. Significance of climate as a factor influencing human settlement.

3 hours. *Professors Bird and Hare*

(In Science Division) *No prerequisite.*

LATER YEARS

N.B. *The first digit of each course number shows the academic year for which the course is mainly designed. Students in other years may register for any course provided (i) that they have the prerequisites, and (ii) that general registration requirements are fulfilled.*

211. INTRODUCTION TO HUMAN GEOGRAPHY (Full course). The relation of early man to the environment; the beginnings of agricultural and pastoral economies. The major physical zones of the earth, the varieties of human society typical of each, and the place of each zone in world trade and food production.

3 hours. *Professor Lloyd*

(In Arts Division) *No prerequisite.*

221. PRACTICAL GEOGRAPHY (Full course). The construction and properties of common map projections. The analysis of topographic maps and aerial photographs. Reconstruction of cultural landscape from cartographic evidence. Special purpose maps: e g., land use, commodity, population, etc.; their construction and interpretation.

1 hour and laboratory periods. *Professor Drummond*

(Science Division) *No prerequisite.*

This course may be taken with a Geography continuation program in either the Arts or Science Division. Otherwise it must be considered to be in the Science Division.

231. THE PRINCIPLES OF REGIONAL PHYSICAL GEOGRAPHY (Full course). The evolution of the landscapes of the earth. A systematic comparison of the physical environments of different regions of the world. An introduction to pedology, hydrology and physical oceanography.

3 hours. *Professor Bird*

(In Science Division) *For Honours and Continuation students in Geography and Geology only.*

311. NORTH AMERICA (Full course). Canada and the United States are divided into a small number of natural regions. In each region the physical environment as a background to man's development is first studied. Then in turn, occupation by Indian and European peoples is discussed, leading up to an examination of the present cultural landscape. The part played by the region in the life of the country and some of its problems are analysed.

3 hours. *Mr. Michie*

(In Arts Division) *Prerequisite: One* of Geography 121 or 211 or 231.

314. THE HUMID TROPICS (Full course). A comparative regional study of the humid tropical environment with special emphasis on Latin America and the Caribbean. A study of indigenous economies; expansion of mid-latitude nations and colonialism. Present day problems of overpopulation and underdevelopment. Agricultural and industrial potentialities.

3 hours. *Professor Hills*

(In Arts Division) *Prerequisite:* Geography 211.

315. EUROPE (Full course). Europe as Eurasia's peninsula; its physical geography. Physical and cultural aspects of the population, and the influence of migrations on distribution. Land use, farming, and rural settlement types. Urban settlement, including mining and industrial development. Differentiation of Europe into East and West; nations and states and their competition.

3 hours. *Mr. Michie*

(In Arts Division) *Prerequisite: One* of Geography 121 or 211.

318. WORLD CLIMATES (Full course). Scope of climatology, physical, dynamic and applied. Governing meteorological processes. The general circulation of the atmosphere and the zonation of world climate. Climatic classification; the methods of Köppen and Thornthwaite. Climate and life: influence of atmosphere on plants, animals and man. Climate and hydrology: the moisture cycle. Climatic change, with special reference to Pleistocene and post-glacial events.

3 hours. *Professors Hare and Orvig*

(In Science Division) *Prerequisite:* Geography 121 or 231 or Geology 121 or Botany 11.

319. THE SOVIET UNION (Full course). Position, relief, and structure; general physical characteristics, including climate, soil, vegetation, and physiography. Ethnic groups. Correlation between population distribution and physical geography. Migration and settlement. The territorial

development of Russia. Land use, agriculture, mining, and other industries. Recent developments and social significance of Soviet economic life. Urbanization. The administrative structure of the Soviet State.

3 hours.

(In Arts Division) *Prerequisite: One* of Geography 121 or 211.

(*Not given in 1959-60.*)

321. MAP INTERPRETATION AND CARTOGRAPHY (Full course). A study in analysis and interpretation of topographic maps and aerial photographs. Elementary photogrammetry.

1 hour and laboratory periods. *Professor Drummond*

(In Science Division) *Prerequisite:* Geography 121 or 211 or 231 or Geology 121.

411. ECONOMIC GEOGRAPHY (Full course). The influence of geographical factors on economic activity. A functional appraisal of resources both industrial and agricultural; the demands made upon these resources in the past. The location of industry especially the iron and steel industry. The origins and development of modern agriculture. Crops and agricultural practices in the major agricultural regions of the world. The role of the forests and marine resources in the subsistence economics.

3 hours *Professor Hills*

(In Arts Division) *Prerequisite:* One of Geography 121 or 211 or Geology 121.

413. HISTORICAL GEOGRAPHY (Full course). Relations among man, habitat, and economy in early, medieval, and modern times. Reconstructing the geographical *milieu* of past cultures. Climate and civilization.

3 hours. *Mr. Innes and Staff*

(In Arts Division) *Prerequisite:* Geography 211.

415. POLITICAL GEOGRAPHY (Full course). A study of geographical environments and political groups, the development of states and nations under the major headings of size, shape, situation, boundaries, and location in a world of which the locational geography is being revolutionized by air transport. The theories of Ratzel, Mackinder, Haushofer, Spykman and others are used to illustrate politico-geographic strategy. Europe and Asia are examined by regions, and as divided by ideologies and as a whole, in the wider setting of the new-power-age world of today.

3 hours. *Mr. Michie*

(In Arts Division) *Prerequisite:* Geography 211.

416. THE CONSERVATION OF NATURAL RESOURCES (Full course). The rôle of man as an ecological dominant is stressed. A survey is made of the evidence from the field of natural science supporting this view of man. The conservation movement is studied in terms of its development, justification, objectives, and methods.

3 hours.

(In Science Division) *Prerequisite:* Geography 231, or permission of instructor. (*Not given in 1959-60*)

417b. THE HISTORY OF GEOGRAPHIC THOUGHT (Half course). The content of geography is traced from the ancient to the modern world. Particular emphasis is given to the development of geographic thought during the nineteenth and twentieth centuries. Reading assignments are made from the original literature.

Second term: 3 hours.

(In Arts Division) For Honours and continuation geography students only. *Permission of chairman required.*

421. THE TECHNIQUE OF REGIONAL STUDIES (Full course). The idea of regional survey. Surveys of land use. Classification of land types. Study of existing regional surveys and projects: the Land Utilization Survey of Britain. The Tennessee Valley Authority, and other North American projects, A regional study will be made of a selected area in Canada.

3 hours. *Professor Drummond*

(In Science Division) *Prerequisite:* Geography 221 or 321 *and* 121 or Geology 121.

HONOURS COURSES

First year students intending to take Honours in Geography should consult the Department before end of session. Honours students will be required to make their selection of Second, Third, and Fourth year courses from the following list. In addition, all Honours students entering their Third or final year are required to participate in the annual field trip held early in the fall.

B.Sc. Students

Second year: Geography 121 or 231, 211, 221, 311, Botany 100a or b.

Third year: Geography 231, 321, 318 and one of 314, 315, 319; one course in Geology, and one other course in Botany, Geology, Zoology, Mathematics or Physics.

Fourth year: Geography 416, 417b, 421; one of 314, 315, 319; one of 411, 413, 415; one approved course outside the department.

JOINT HONOURS IN GEOGRAPHY AND BOTANY: See under Department of Botany.

B.A. Students

Second year: Geography 121 or 231, 211, 221, 311; any one course in History, Anthropology, Economics, Political Science or a modern language.

Third year: Geography 321, 415, 411; one of 314, 315, 319; one other course to be selected by the student.

Fourth year: Geography 413, 416, 417b, 421; one of 314, 315, 319.

N.B.—The order in which the above courses are taken may be changed if timetable conflicts arise. Students with special qualifications may also be recommended to follow a slightly different programme.

JOINT HONOURS IN GEOGRAPHY AND HISTORY

First year:
Geography 121.
History 100.
Three other courses as required by Faculty.

Second year:
Geography 211 (Human).
Geography 221 (Practical).
History 205 (Colonial Expansion).
Either History 200 (Mediaeval Life and Institutions)
or History 210 (Great Britain).
One other course as required by Faculty.

Third year:
Geography 311 (North America).
History 305 (Canada).
One of: Geography 314 (Humid Tropics).
Geography 315 (Europe).
Geography 319 (Soviet Union).
One of: An appropriate Special Subject in History.
History 310 (British Industrial Democracy), if combined with Geography 313b and 314a.
History 315a (Slavs and Habsburgs) and 315b (E. Europe), if combined with either Geography 315 or 319.

Fourth year:
Geography 413 (Historical).
Geography 415 (Political).
History 405 (Economic, U.S. and Canada).
One of: The Special Subject in History continued from Third year.
History 420 (Modern Europe).

CONTINUATION COURSES

For B.A. students taking continuation in Geography:

Second year:	Geography 211, 221.
Third year:	Geography 311, 411.
Fourth year:	Geography 413, 415, 314, 315, 319.

For B.Sc. students taking continuation in Geography:

Second year:	Geography 231, 221.
Third year:	Geography 308, 321.
Fourth year:	Geography 416, 421.

Students taking Geography as a continuation subject are advised to consult the Departmental Chairman before completing registration.

GEOLOGICAL SCIENCES

Professors	J. E. GILL *Chairman*
	T. H. CLARK
	E. H. KRANCK
Associate Professors	V. A. SAULL
	C. W. STEARN
	J. S. STEVENSON
Assistant Professors	P. R. EAKINS
	J. A. ELSON
	A. J. FRUEH
	G. R. WEBBER
Lecturer	H. DEHN
Research Associate	M. J. RICKARD
Demonstrators	

121. GENERAL GEOLOGY (Full course). First or Second year. The Earth and the Solar System. Its composition by minerals and rocks. Erosive forces (weather, wind, rivers, waves, etc.) modifying its surface, and deformative factors (temperature, compression, etc.), affecting its subsurface structure are thoroughly treated. The origin and historical development of the earth and of living things are briefly considered. The economic aspects of all phases of the subject are treated throughout the course.

2 hours lectures and 2 hours laboratory per week, session. Sections to be announced at first meeting; four half-day excursions during October.

Professors Clark and Stearn

Reference books: Agar, Flint, and Longwell, Geology from Original Sources (Holt, 1929); Holmes, A., Principles of Physical Geology (Ronald Press, 1945); Gilluly, Waters, and Woodford, Principles of Geology (Freeman, 1951).

221. MINERALOGY. Second year (Full course). Lectures: crystallography; physical properties and chemical composition of minerals, the more important ore minerals, industrial minerals, rock-forming minerals, uses and sources of supply of economic minerals. Laboratory: study of crystal models and crystals; methods for the determination of the constituents of minerals by blowpipe analyses and by related chemical tests, application of these plus physical characters in the identification of minerals.

2 lectures, 2 hours laboratory per week, session; one full-day field trip in October. *Professor Stevenson*

Text: Hurlbut, Dana's Manual of Mineralogy (Wiley, 1952).

231c. FIELD GEOLOGY. Second or Third year (Half course). Surface and underground geological field survey methods. Preparation of geological maps, sections, and reports from field notes, diagrams, aerial photographs, etc.

Two-week field school in May. *Professor Elson*

Prerequisites: Surveying 324, 352, 761, Geology 232b. Students intending to take this course must first satisfy the instructor as to their fitness.

References: Lahee, Field Geology, 5th ed. (McGraw-Hill); McKinstry, Mining Geology (Prentice-Hall, 1948).

232b. STRUCTURAL GEOLOGY. Second or Third year (Half course). A systematic survey of rock structures, their origins and practical importance. Laboratory period will be devoted to practical problems.

Second term: 2 lectures and 1 laboratory period. *Professor Eakins*

Prerequisites: Geology 121, 221.

Text: Billings, Structural Geology, 2nd ed. (Prentice Hall).

331a. OPTICAL MINERALOGY. Third or Fourth year (Half course). A study of the optical properties of non-opaque minerals. The laboratory course gives practice in the determinations of these properties, using the polarizing microscope, oriented sections of minerals, and stressing oil-immersion techniques.

First term: 2 lectures, 3 hours laboratory. *Professor Stevenson*

Prerequisites: Geology 221; or appropriate background in crystallography.

References: Larsen and Berman, Microscopic Determination of Nonopaque Minerals, 1934 (Bull. 848, U.S. Geol. Surv.); Wahlstrom, Optical Crystallography, 1951 (Wiley); Winchell, Elements of Optical Mineralogy, Part I, 1937 (Wiley); Ford, Dana's Textbook of Mineralogy (Wiley 1932).

332. PETROLOGY. Third year. The common igneous, sedimentary, and metamorphic rocks are described and their modes of occurrence discussed. In the laboratory, the first term will be devoted to identification of rocks by methods used in the field, the second to microscopic petrography.

2 lectures and 1 laboratory period per week, session. *Professor Kranck*

Prerequisites: Geology 121, 221.

Text: G. W. Tyrrell, The Principles of Petrology, 1949; Rogers and Kerr, Optical Mineralogy; E. E. Wahlstrom, Petrographic Mineralogy, 1955; Williams, Turner, Gilbert, Petrography, 1954.

341. PALEONTOLOGY. Third or Fourth year. The development of ideas concerning the origin of fossils. Kinds of fossils. Collecting, preparation, and naming of fossils. Survey of systematic paleontology, including invertebrates, vertebrates, and plants. The stratigraphic and economic importance of paleontology. Paleoecology, and facies fossils. The influence of paleontology upon the doctrine of evolution.

2 lectures, 1 laboratory period per week, session; two days' field work in October. *Professor Clark*

Prerequisites: Geology 121, or appropriate biological background.

Text: To be announced.

342a. GEOMORPHOLOGY. Third or Fourth year (Half course). A study of the surface features of the earth and the processes involved in their origin and modification. Weathering and erosional processes and erosional and depositional landforms produced by water, wind, and glaciers. Maps and photographs provide illustrations.

First term: 2 lectures and 1 laboratory period. *Professor Elson*

Prerequisite: Geology 121.

Text: Thornbury, Principles of Geomorphology, 1954.

343a. STRATIGRAPHY. Third or Fourth year (Half course). The principles of sedimentation. Weathering; sources and origin of sedimentary rocks; significance of their textures and structures. The structural relationship of strata; areal distribution of sedimentary rocks. Reference is made throughout the course to matters of economic importance.

First term: 2 lectures, 2 hours laboratory per week, and 2 full days of field work during October. *Professor Clark*

Prerequisites: Geology 121, 221.

Texts: Twenhofel, Principles of Sedimentation, 2nd ed.; Pettijohn, Sedimentary Rocks, 2nd ed.

344b. MINERALOGRAPHY. Fourth year (Half course). Identification of ore minerals in polished sections by means of the reflecting microscope; interpretation of their textural relationships and paragenesis.

Second term: 2 lectures, 3 hours laboratory. *Professor Stevenson*

Prerequisites: Geology 331a or permission of instructor.

Text: Short, Microscopic Determination of the Ore Minerals (U.S. Geological Survey Bulletin 914, 1940).

345b. CORRELATION. Third or Fourth year (Half course). Stratigraphic terminology. Correlation by lithological means: facies changes, subsurface geophysical methods, etc. Correlation by fossils, micropaleontologic methods, facies faunas, paleontologic limitations. Paleogeography and paleogeology. Throughout the course special consideration will be given to correlation as developed by the petroleum geologist.

Second term: 2 lectures, 2 hours laboratory, and 2 days' field work during April or May. *Professor Stearn*

Prerequisites: Geology 343a.

Text: Krumbein and Sloss, Stratigraphy and Sedimentation, 1951 (Freeman).

346b. ENGINEERING GEOLOGY. Third or Fourth year (half course). The practical application of geology to civil engineering problems. The exploitation and control of ground water, geology of dam and building sites, and sources of construction materials. Reference is made to such problems as landslides, shore-line erosion and river improvement and control.

Second term: 2 lectures and reading assignments. *Professor Elson*

Prerequisite: Geology 121.

Reference: Krynine and Judd, Principles of Engineering Geology and Geotechnics (McGraw-Hill).

441. ORE DEPOSITS (Fac. Eng. 1182). Fourth year (Full course). Nature, origin, mode of occurrence, and classification of deposits of metallic and of important non-metallic minerals; typical occurrences; geographical distribution.

2 lectures and 1 laboratory period per week. *Professors Gill and Eakins*

Prerequisites: Geology 231c, 232b, 332.

Text: Bateman, Economic Mineral Deposits (Wiley, 1950).

443b. EARTH PHYSICS (Half course). Physical properties of the earth, and the processes associated with its existence, as inferred from astronomy, geodesy, seismology, geology, meteorology, terrestrial magnetic and thermal effects, geochemistry, etc. Hypotheses and theories based upon or explaining the above. Critical evaluation of these hypotheses and theories.

Second term: 3 lectures per week, one of which may be replaced by a conference. *Professor Saull*

Prerequisites: Physics 47a, or permission of instructor.

444. GEOLOGY OF NORTH AMERICA (Fac.Eng. 1180). The geological history, geomorphology, and mineral resources of the natural divisions of North America are described. In the laboratory the evolution of life through the ages and geological maps of North America are studied.

2 lectures and one 2-hour laboratory period per week, session.
Professors Eakins, Elson and Stearn

Prerequisites: Geology 231c, 232b, 332a.

HONOURS COURSE IN GEOLOGY

Students intending to take Honours in Geology should discuss the matter with Professor Clark before registering in the Second year.

Prerequisite: At least a good second class standing in Chemistry 11, Physics 11 and Mathematics 111.

Second year: Geology 121 (General Geology), 221 (Mineralogy), Chemistry 24 (Physical), Mathematics 224 (Calculus), Physics 23 (Electricity and Magnetism), Engineering 324 (Surveying), Engineering 352 (Surveying Field School—2 weeks).

Third year: Geology 231c (Field Geology), 232b (Structural), 331a (Optical Mineralogy), 332 (Petrology), 342a (Geomorphology), 346b (Engineering Geology), Chemistry 21 (Systematic Inorganic Chemistry), 73 (half course) (Inorganic Quantitative Analysis), Engineering 761 (Mine Surveying, half course), and one Arts course.

Fourth year: Geology 341 (Paleontology) or 344b (Mineralography), 343a (Stratigraphy), 345b (Correlation), 441 (Ore Deposits), 443b (Earth Physics), 444 (Geology of North America), Physics 47a (Applied Geophysics), one Arts course.

Summer Work (in addition to Surveying Field School).

Two seasons' work on approved Geological or Geophysical field parties.

If Geology 121 is taken in the First year, Engineering 324 and 352 should also be taken in that year. Advanced courses may be taken in subsequent years as advised.

FIVE YEAR HONOURS COURSE IN GEOLOGY AND PHYSICS (GEOPHYSICS)

This course is designed to meet the demand from research institutions and industry for students with joint training in Physics and Geology. Students maintaining an adequate scholastic standard in the course may be admitted to the graduate school in either Geology or Physics.

First year: Physics 11 (General Physics); Mathematics 111 (Trigonometry, Algebra, and Analytical Geometry); Chemistry 11 (General Chemistry); English 100 (English Literature); English 100c (English Composition); Elective.—*5 courses in all.*

Second year: Geology 121 (General Geology); Geology 221 (Mineralogy); Physics 23 (Electricity and Magnetism); Physics 24 (Dynamics); Physics 25 (Statics); Mathematics 225 (Calculus); Mathematics 226 (Analytical Geometry); Engineering 324 (Surveying); Engineering 352 (Surveying Field School to be taken in May).—*6½ courses in all.*

Third year: Geology 231c (Field Geology, to be taken in May); Geology 232b (Structural Geology); Geology 331a (Optical Mineralogy); Geology 332 (Petrology and Petrography)—first half only; Geology 443b (Earth Physics); Physics 34 (Heat and Thermodynamics); Physics 47a (Applied Geophysics); Mathematics 227 (Algebra); Chemistry 24 (Physical Chemistry).—*6 courses in all.*

Fourth year: Geology 343a (Stratigraphy); Geology 345b (Correlation); Geology 444 (Geology of North America); Physics 31 (Dynamics of Particles); Physics 33 (Electronics); Physics 35a (Electron Physics); Mathematics 333 (Advanced Calculus); Mathematics 334 (Differential Equations). —*6 courses in all.*

Fifth year: Geology 441 (Ore Deposits); Physics 43a (Atomic and Molecular Structure); Physics 44a (Radioactivity and Introductory Nuclear Physics); Physics 44b (Particles and Quanta in Modern Physics); Physics 48 (Electrical Measurements); Physics 71 (Applied Geophysics—Advanced); Mathematics 441 (Mathematical Physics); Thesis or elective.—*6½ courses in all.*

Summer Work (in addition to Surveying Field School):

At least two seasons' work on approved Geological Field Parties and one season's work on a Geophysical Field Party.

If Geology 121 is taken in the First year, Engineering 324 and 352 should also be taken in that year. Advanced courses may be taken in subsequent years as advised.

CONTINUATION COURSES

Second year: Geology 121, or 221.

Third year: Geology 221 to 444.

Fourth year: Geology 221 to 444.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

GERMAN AND RUSSIAN

Professor H. S. REISS
Associate Professor BERTHA MEYER
Assistant Professors V. R. BLOCK
V. LITWINOWICZ

GERMAN SECTION

FIRST YEAR

1. GERMAN LANGUAGE (Full course). Beginners' B.A. Course.
3 hours. *Professors Meyer and Block*
Texts: Curts, Basic German, 3rd ed. (Prentice-Hall); Goedsche-Glaettli, Thomas Mann (Amer. Book Co.).

1X. INTRODUCTION TO GERMAN LITERATURE AND THOUGHT in English (Optional course for students of German 1 and any other students by special permission. It does not constitute a half course nor will there be an examination).
1 hour.
(*Not given in 1959-60.*)

SECOND YEAR

Note: Students who intend to proceed to Course 3 from German 1 must have obtained a high Second Class and are required to read during the summer the following: Kästner, Emil und die Detektive (Holt). Those who intend to proceed to Course 4 from German 1 must have obtained a First Class and are required to study during the summer the following texts: Kästner, Emil und die Detektive (Holt); Storm, Immensee.

GERMAN CONVERSATION

Students who intend to continue German must attend a class in Oral German (one hour a week) until, in the Professor's opinion, they have reached a satisfactory standard.

2. GERMAN LANGUAGE (Full course).

3 hours *Professors Meyer and Block*

Prerequisite: German 1 or Matriculation in German, or their equivalent.

Texts: Gorr, Short Review Grammar (Appleton-Century-Crofts); E. Meyer, Akademische Freiheit (Houghton-Mifflin); Kästner, Emil und die Detektive (Holt).

Private Reading: Genialische Jugend (Houghton Mifflin).

3. GERMAN LANGUAGE (Full course).

3 hours. *Professors Meyer and Reiss*

Prerequisite: German 1 or 2.

Texts: L. J. Russon, Complete German Course for First Examinations (Longmans, Green); Schiller, Wilhelm Tell (Holt).

Private Reading: Storm, Immensee; Schnitzler, Der blinde Geronimo und sein Bruder (Heath).

4. GERMAN LANGUAGE AND LITERATURE (Full course). No student may proceed from German 1 to German 4 unless he has completed the summer work as given above.

3 hours: *Professors Meyer and Block.*

Texts: L. J. Russon, Complete German Course; Goethe, Egmont (Holt); Goethe, Urfaust (Harper).

Private Reading: Thomas Mann, Tonio Kröger (Crofts); Grillparzer, Der arme Spielmann (Inselbücherei No. 82).

THIRD AND FOURTH YEARS

Note: In order to be admitted to the following courses a student must know German well enough to understand lectures delivered in German and express himself with some degree of fluency and correctness.

5. GERMAN LITERATURE IN THE 18TH CENTURY (Full course).

3 hours. *Professor Meyer*

Prerequisite: German 3 and/or German 4.

Texts: Lessing, Emilia Galotti (Heath); Goethe, Iphigenie (Heath); Schiller, Maria Stuart (Holt); Stroebe and Whitney, Geschichte der deutschen Literatur.

Private Reading: Lessing, Minna von Barnhelm; Goethe, Die Leiden des jungen Werthers (Insel-Bücherei, No. 493); Schiller, Kabale und Liebe.

6. GERMAN LITERATURE IN THE 19TH CENTURY (Full course). The important literary movements and writers of the 19th century are studied and discussed. Collateral readings.

3 hours. *Professor Reiss*

7. GERMAN LITERATURE IN THE 20TH CENTURY (Full course).

3 hours. *Professors Reiss and Block*

8. MIDDLE HIGH GERMAN LITERATURE AND LANGUAGE (Full course).

2 hours. *Professor Reiss*

Text: Wright-O'C. Walshe, A Middle High German Primer (O.U.P. 5th edition).

(*Not given in 1959-60.*)

9. HISTORY OF THE DRAMA IN GERMAN LITERATURE (Full course).

2 hours. *Professor Reiss*

10. GERMAN LYRICAL POETRY (Half course).

1 hour, throughout the year. *Professor Reiss*

(*Not given in 1959-60.*)

11. GOETHE'S FAUST (Half course).

1 hour, throughout the year. *Professor Block*

(*Not given in 1959-60.*)

ADDITIONAL COURSES

20. GENERAL SURVEY OF GERMAN LITERATURE FROM LESSING TO THE PRESENT DAY. This course is given in English for students who do not know enough German to understand lectures in that language. It is not open to those who are taking, or who have taken, any of the courses listed as German 5, 6, 7, 8, 9, 10, 11.

3 hours (Second, Third or Fourth year). *Professors Meyer and Reiss*

German 101 and 102 are designed for candidates who wish to have a sufficient reading knowledge of the German language to meet their purposes as candidates for, for example, the B.Sc. degree or a degree in the Faculty of Graduate Studies.

101. GERMAN LANGUAGE (Full course).

Students intending to proceed from German 101 to German 2 must have obtained a first or high second class and are required to read during the summer: Meyer, Akademische Freiheit (Houghton-Mifflin). Those intending to proceed to German 3 must also read Kästner, Emil und die Detektive.

3 hours. *Professors Meyer and Block*

Texts: Curts, Basic German, 3rd. ed. (Prentice-Hall); Fiedler Sandbach, First German Reader for Science Students (Oxford).

102. GERMAN SCIENCE READING COURSE (Full course). Method and Practice of Translation. The first half of the course will be devoted to teaching the method of translating, the second half to actual translation of texts from various fields of interest. This course is intended for students preparing to fulfil the language requirement for the Ph.D. degree.

2 hours. *Professor Block*

Text: C. V. Pollard, The Practical Solution to German Translation. (The University Co. Op. Austin, Texas, 1950.)

COGNATE COURSE

LINGUISTICS 221. INTRODUCTION TO THE STUDY OF LANGUAGE. Available to Second and Third year students (Full course).

3 hours. *Professor C. H. Carruthers*

(*Given in the Department of Classics.*)

HONOURS IN GERMAN

Students wishing to take Honours in German should select two courses a year after consultation with the department. In addition, in each year two full cognate courses must be taken in some other department with the approval of the Department of German. Students may begin Honours in German in the Third year instead of the Second year, if in the opinion of the Department they are qualified to do so.

JOINT HONOURS.

1. **German** and **French:** see under Department of Romance Languages.

2. **German** and **Greek** or **Latin:** Minimum first year requirements: German 1, Greek 1 or Latin 11 or their equivalents.

Second year:

German: Two courses selected from German 3 (Language and literature), 4 (Language and literature), 5 (18th Century literature).

Greek: Greek 21 (Readings from Homer and Attic Greek authors), and 22.

Latin: Latin 21 (Vergil's Aeneid) and 22.
One approved elective.

Third year:

German: Two full courses selected from German 5 (18th Century literature, 6 (19th Century literature), 9 (Drama), 10 (Half course, lyrical poetry), 11 (Half course, Goethe's Faust).

Greek: Greek 31 and 32.

Latin: Latin 31 and 32.

Fourth year:

German: Two full courses chosen from German 6 (19th Century literature), 7 (20th Century literature), 9 (Drama), 10 (Half course, lyrical poetry), 11 (Half course, Goethe's Faust).

Greek: Greek 1 (Greek drama) and 42 (Greek philosophy).

Latin: Latin 1 and 42.

3. **German and English:** see under Department of English.

4. **German and History:**

First year: History 100, German 1, and *three* other courses as required by Faculty.

Second year: Two courses selected from: German 3 (Language); German 4 (Language and Literature) and German 5 (German Literature in the 18th century)
History 200 (Mediaeval Life and Institutions)
History 215 (Eastern Europe from the 7th century
One course selected from: English 200, French Linguistics 21 and Political Science 211H.

Third year: German 5 (Literature in the 18th Century)
German 6 (Literature in the 19th Century)
History 315a (The Slavs and the Habsburg Monarchy)
History 315b (War and Society in Eastern Europe)
History 410 (EuropeanThought since the Renaissance).

Fourth year: German 7 (Literature in the 20th Century)
German 9 (Drama in German Literature)
History 420 (Europe, 1789-1939)
Political Science 311 (History of Political Theory).

5. German and Philosophy:

Minimum first year requirement in German: German 1 or its equivalent.

Second year:

German: Two courses chosen from German 3 (Language and literature), 4 (Language and literature), 5 (18th Century literature).

Philosophy: Philosophy 200 (Introduction to Philosophy) and 300 (Ethics). One approved elective.

Third year:

German: Two full courses selected from German 5 (18th Century literature), 6 (19th Century literature), 7 (20th Century literature), 9 (Drama), 10 (Half course, lyrical poetry), 11 (Half course, Goethe's Faust).

Philosophy: Philosophy 350 (Greek Philosophy) and 360 (Modern Philosophy).

Fourth year:

German: Two full courses selected from German 6 (19th Century literature), 7 (20th Century literature), 9 (Drama), 10 (Half course, lyrical poetry), 11 (Half course, Goethe's Faust).

Philosophy: One full course selected from Philosophy 320 (Aesthetics), 340 (Seminar on the Philosophy of History), and 420 (Seminar on the Philosophy of Kant).

And *either* Philosophy 400 (Ethics and Philosophy of Politics), if special field is Ethics,

or Philosophy 410 (Problems of Logic, Epistemology and Metaphysics), if special field is systematic Philosophy.

6. German and Spanish:

First year

Prerequisites: German 1, Spanish 11 and Latin 100, *or* the equivalent.

Second year

German	Spanish
Two full courses selected from:	Spanish 21 (language and introd. to literature)
German 3 (language)	
German 4 (language and introd. to lit.)	Spanish 22 (Modern Novel, poetry and drama)—(Honours Course)
German 5 (18th cent. literature)	

AND one full course (elective).

Third year

Two full courses (or the equivalent) selected from:
German 5 (18th cent. lit.)
German 6 (19th cent. lit.)
German 7 (20th cent. lit.)
German 8 (Middle High German lang.)
German 9 (History of the drama)

Spanish 31 (19th cent. litl.)
Spanish 31 (History of the language and Medieval lit.) (Honours Course)

and:

Half courses (Honours):
German 10 (Lyrical poetry)
German 11 (Goethe's *Faust*)

AND one full course (elective).

Fourth year

Two full courses (or the equivalent) selected from the following Honours Courses:
German 6, 7, 8 (full courses)
German 10, 11 (half courses)

Spanish 41 (the Golden Age)
Spanish 42 (19th cent. drama) (Honours Course)
Spanish 43 (Spanish-American lit.)

NOTE: If German 5 was taken in the Third year, a third course must be added in the Fourth year, unless three courses were taken in the Third year.

Recommended Electives

Second year: Linguistics 21, or Philosophy 200

Third year: Spanish 32, *or* a course in English Lit., *or* an additional course in German, at the Third or Fourth year level.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

RUSSIAN SECTION

Students who take Russian in order to fulfil the Modern Language requirement for the B.A. or B.Sc. degrees must take Russian 100 or 105 and Russian 200 or 205.

100. RUSSIAN LANGUAGE First year (Full course).

Reading, grammar, translation, oral practice.

3 hours. *Professor Litwinowicz*

Texts: G. A. Znamensky, Conversational Russian (Ginn); C. Z. Patrick, Elementary Russian Reader (Pitman).

No prerequisite.

105. RUSSIAN LANGUAGE. Advanced in the first year (Full course).

This course is designed for the students who already possess a certain competence in the Russian language.

3 hours. *Professor Litwinowicz*

Texts: G. A. Znamensky, Conversational Russian (Ginn); Birkett and Struve, Chekhov Selections (Oxford).

Prerequisite: Permission of the instructor.

200. RUSSIAN LANGUAGE. Reading, Translation, Conversation.

3 hours. *Professor Litwinowicz*

Texts: Coulson and Duddington, Russian Short Stories, 19th Century (Oxford); A. Semeonoff, A New Russian Grammar (Dent).

Prerequisite: Russian 100 or equivalent.

205. RUSSIAN LANGUAGE. Translation, Reading, Conversation, Grammar.

3 hours. *Professor Litwinowicz*

Texts: Coulson and Duddington, Russian Short Stories, 19th Century (Oxford); Baring and Costello, The Oxford Book of Russian Verse; A. Semeonoff, A new Russian Grammar (Dent).

Prerequisite: Russian 105 or equivalent.

300. RUSSIAN LANGUAGE AND LITERATURE IN THE 19TH CENTURY (Full course). Grammar. Readings from selected authors, conversation and composition. Course will be conducted in Russian.

3 hours. *Professor Litwinowicz*

Texts: A. S. Pushkin, The Captain's Daughter (Dent); J. S. Turgenev, Rudin (Columbia); Baring and Costello, The Oxford Book of Russian Verse; Unbegaun, Russian Grammar (Oxford).

Private Reading: Duddington and Gorsdetzky, Tolstoy's Selections (Oxford).

Prerequisites: Russian 200 or 205, and the permission of the instructor.

HISTORY

Professors	H. N. Fieldhouse, *Chairman* C. C. Bayley
Associate Professors	J. I. Cooper W. D. Reid M. Mladenovic
Assistant Professor	P. Zagorin
Lecturer	R. Vogel
Assistants (1958-59)	Joan Charteris S. L. Pollard Allana Smith H. I. Smith K. Trickey F. Wilson

N.B.—Students who wish to take History as a Continuation subject must consult the Department as to their programme.

100. EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS. First year (Full course). The mediaeval period is studied in terms of its typical institutions: the Empire, the Papacy, feudalism, the gild, the dynastic state, etc. In the modern period, main emphasis is laid on the emergence of the Great Powers and the long-term problems, at home and abroad, which conditioned their policies.

3 hours. *Professors Bayley and Zagorin; Mr. Vogel*

ANCIENT HISTORY 110. First year (Full course). Students who wish to take this course should see the notes below on Continuation and Honours Courses in History.

3 hours. *Given by the Classics Department*

200. MEDIAEVAL LIFE AND INSTITUTIONS. Second year (Full course).

3 hours. *Professor Bayley*

205. HISTORY OF COLONIAL EXPANSION WITH SPECIAL REFERENCE TO THE BRITISH EMPIRE. Second year (Full course). Approximately one-third of the course will be devoted to the overseas activities of the European States, 1500-1713; the remainder, to the history of the British Empire and Commonwealth. Throughout, emphasis will be placed on economic and social development.

3 hours. *Professor Cooper*

210. HISTORY OF GREAT BRITAIN. Second year (Full course). Survey of the development of British civilization since the Roman invasions. While constitutional and political changes are considered, the emphasis is placed (particularly in the modern period) on the economic, social and intellectual background.

With the consent of the Department, this course may be taken by Third year students.

3 hours. *Professor Reid*

215. HISTORY OF EASTERN EUROPE (FROM IVTH CENTURY). Second, Third and Fourth years (Full course). The mediaeval principle of legitimacy and the formation of the first barbarian states: ecclesiastical schism and the political division of Eastern Europe; the conflicts of Byzantines, Germans, Osmanlis, and Slavs; social and economic development: Eurasianism and the interaction of Western, Byzantine, and Eastern cultures.

3 hours. *Professor Mladenovic*

305. HISTORY OF CANADA. Third year (Full course). Early French and English enterprise in northeastern America; staple trades; settlement; colonial institutions. British America in the era of the American Colonial and French revolutions. Economic and political problems of the early XIXth century; the creation of the Canadian federal state: Western extension: development of the Canadian northland between two World Wars.

With the consent of the Department, this course may be taken by Fourth year students. Students are normally expected to have taken either History 205 or History 210 as a prerequisite to this course, but exceptions may be made, at the discretion of the Instructor.

3 hours. *Professor Cooper*

310. THE RISE OF BRITISH INDUSTRIAL DEMOCRACY SINCE 1815. Third year (Full course). The economic expansion of Britain following the Napoleonic Wars and the consequent social and political movements: the rise of working class organizations, of trade unions and of the Labour party; the impact of major wars and depression upon Great Britain in the XXth century; the Labour Party's post-war rehabilitation measures.

With the consent of the Department, this course may be taken by Fourth year students.

3 hours. *Mr. Vogel*

315a. THE SLAVS AND THE HABSBURG MONARCHY (Half course). History of the problem of nationalities and of political stability in Central Europe from the time of the Slavonic migrations to the dissolution of the Austro-Hungarian Empire.

3 hours. *Professor Mladenovic*

315b. WAR AND SOCIETY IN EASTERN EUROPE (Half course). Historical, cultural, and demographic elements in the relations of the peoples of Eastern Europe and their bearing on the capacity of East European States to wage war; characteristics of East European States warfare; the bolshevik conception of warfare.

3 hours. *Professor Mladenovic*

320. THE HISTORICAL BACKGROUND OF CONTEMPORARY EUROPE. Third and Fourth years (Full course).

3 hours. *Professor Fieldhouse*

(*Not given in 1959-60.*)

325. SOCIETY OF WESTERN EUROPE FROM THE RENAISSANCE TO THE EVE OF THE FRENCH REVOLUTION. Third and Fourth years (Full course). Study of selected topics in the development of social institutions, religion and culture, from the XVth century to the mid-XVIIIth e.g. Humanism; the Reformation; the expansion of Europe; the scientific revolution of the XVIIth century; the changing character of social classes; the development of absolute monarchy.

3 hours. *Professor Zagorin*

326. TUDOR AND STUART ENGLAND. Third and Fourth years (Full course). A study of English society, politics, and thought from the end of the Middle Ages to the beginning of the eighteenth century. Among the topics discussed are, the development of the English state; economic expansion; the religious revolution; the civil war and its consequences; the intellectual and social changes which led to the formation of a liberal political order.

3 hours. *Professor Zagorin*

400. HISTORICAL DEVELOPMENT OF THE INSTITUTIONS OF GREAT BRITAIN. Fourth year (Full course).

3 hours. *Professor Bayley*

(*Not given in 1959-60.*)

401. TECHNOLOGY AND SOCIETY IN MEDIAEVAL AND MODERN EUROPE: A HISTORICAL SURVEY. Fourth year (Full course). The technological leadership of the East; the role of Greeks, Romans, Arabs and Byzantines as transmitters; the period of accelerated borrowing and advance in Europe, XIIth - XVIth centuries; the expansion of Europe and its repercussions on industrial technology and the social order; technology as an instrument of power and welfare in XIXth century Europe; the effects of the diffusion and adoption of European technology in the non-European world during the XXth century.

3 hours. *Professor Bayley*

405. ECONOMIC HISTORY OF THE UNITED STATED AND CANADA. Third and Fourth years (Full course). Survey of the economic history of the two countries from colonial times to the present. Emphasis is placed on the XIXth and XXth centuries, the expansion and consolidation of industry, and the rise of labour organizations.

Students are normally expected to have taken History 305 as a prerequisite to this course, but exceptions may be made, at the discretion of the Instructor.

3 hours. *Professor Cooper*

410. THE HISTORY OF EUROPEAN THOUGHT SINCE THE RENAISSANCE. Third or Fourth year (Full course).

3 hours. *Professor Reid*

411. HISTORY OF CELTIC BRITAIN AND IRELAND. Third and Fourth years (Full course).

3 hours. *Professor Reid*

415. HISTORY OF SOVIET RUSSIA (Full course). Geopolitical background; Marxian and non-Marxian roots of the Revolution; the two Revolutions and the Civil War; doctrinal foundations of the new order and later ideological changes: economic and political development; international relations; social structure, legal system and military organizations. cultural trends.

Save by special consent of the Department, this course is open only to students who have previously taken either History 420, 320, or 215.

3 hours. *Professor Mladenovic*

420. HISTORY OF EUROPE, 1789-1939. Fourth year (Full course).

For Honours students only.

3 hours. *Professor Fieldhouse*

(*Not given in 1959-60.*)

421. HISTORY OF DIPLOMACY, WITH SPECIAL REFERENCE TO BRITISH FOREIGN POLICY SINCE 1815. Third and Fourth years (Full course).

3 hours. *Professor Fieldhouse*

500. SPECIAL SUBJECTS.

Honours students choose one of these special subjects for continuous study during their Third and Fourth years. They are expected to acquire a general knowledge of the subject chosen, and to make a more intensive study of one of its aspects, from original sources.

A period in, or aspect of, Ancient History.

England in the Age of Wyclif.

England and Scotland in the period of the Reformation.

England from the Restoration to the Accession of George III.

Economic and social change in Great Britain, 1832-1914.

British Imperial History — (a) Newfoundland (b) the West Indies in the XVIIth and XVIIIth centuries.

A topic in Canadian History, 1867-1896.

Origins of the First World War (1914-18) with special reference to British foreign policy.

Some aspects of the political history of the Balkans in the XIVth and XVth centuries.

The Russian Revolutions of 1917.

HONOURS IN HISTORY

Honours students are required to have a reading knowledge of such foreign language or languages as may be appropriate to their proposed course of study. The Department will advise individual students on this matter.

In addition to the examination in the subjects taken in the last year, Fourth year Honours students have a general examination on their whole field of historical study.

With emphasis on the English-speaking world:

First year:	History 100. Four other approved courses.
Second year:	History 205 and 210. Three other approved courses.
Third year:	History 305, 310, 326 and Special Subject.
Fourth year:	History 420, 400, 405 and Special Subject.

With emphasis on Continental Europe:

First year:	History 100. Four other approved courses.
Second year:	History 200, 210 and 215. Two other approved courses.
Third year:	History 305, 315a and b, 325 and Special Subject.
Fourth year:	History 410, 415, 420 and Special Subject.

JOINT HONOURS

I. Honours in History and Philosophy:

First year:	History 100 and *four* other approved courses.
Second year:	History 200 and 215. Philosophy 200 and 300.

Ancient History 110 (or, if this has been taken in the first year, Ancient History 210 or 220) in the Classics Department.

Third year: History 410.

Two courses selected from Philosophy 350, 360 or 370.

One course selected from History 305 or whichever of Philosophy 350, 360, 370, has not been already chosen.

Fourth year: History 400 and 420.
Philosophy 400 and 340.

II. Honours in History and Political Science.

1. For students specializing in International Relations:

First year: History 100 and Four other courses as required by Faculty: one of these to be an approved Modern Foreign Language.

Second year: Political Science 211H.
History 200 and 215.

And *two* other approved courses: one of which shall be in a Modern Foreign Language selected in first year.

Third and Fourth years: Political Science 311, 323, 344 and 411a, and either 324b or 412b.

History 315a, 315b, 415, 420 and 421.

2. For students of Comparative Government and General History:

First year: History 100 and *Four* other Courses as required by Faculty.

Second year: Political Science 211H.

History 200, 205 and 210.

And *one* other approved course.

Third and Fourth years: Political Science 311, 411a and 351.

Either Political Science 322 *or* 324b, 325b.

One of:

Political Science 353b and 355a.

History 305 and 420.

One course selected from:
History 310, 400 and 405.

One other approved course.

Students who propose to study Comparative Government with an emphasis on the totalitarian regimes may be permitted to substitute History 215 for either History 205 or 210, and to substitute History 415 as an elective in History in the fourth year.

III. For Honours in **History** and **Economics**, see under the Department of Economics and Political Science.

For Honours in **History** and **English**, see under the Department of English.

For Honours in **History** and **Geography**, see under the Department of Geography.

For Honours in **History** and **German**, see under the Department of German.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

MATHEMATICS

Professors

HERBERT TATE, *Chairman*
CHARLES FOX
E. M. ROSENTHALL
P. R. WALLACE

Associate Professors

M. D. BURROW
HYMAN KAUFMAN
JOACHIM LAMBEK
E. L. LOMON
T. F. MORRIS
J. E. L. PECK
H. W. E. SCHWERDTFEGER
R. T. SHARP
C. D. SOLIN

Assistant Professors

G. D. FINDLAY
SIDNEY KAHANA
SAMUEL MELAMED
Z. A. MELZAK
NORMAN OLER
B. A. RATTRAY

Lecturers

EUGENE BUTKOV
A. I. GOLDRICH
MICHAEL HERSCHORN
H. C. KHARE
D. M. KINGSBURY
R. A. PATTERSON
L. F. S. RITCEY
Z. ROSENFELD
I. H. SHTERN
MRS. H. SCHWERDTFEGER
J. F. SHUPE
DAVID SUSSMAN

Demonstrators

D. A. BONYUN
MARTIN HARROW
JOSEPH MURPHY
M. A. NERENBERG
P. DE SOUZA
S. H. STOREY
A. D. TEITLEBAUM

FIRST YEAR

First year students will normally register for Mathematics 111.

Courses 113 and 216 are of a more advanced nature and concentrate on the development of facility in doing difficult and interesting problems. Students who have passed well in Intermediate Algebra and Trigonometry at Junior Matriculation should take 113 or 216 instead of 111.

111. TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Full course).

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

ANALYTIC GEOMETRY. The analytic geometry of the straight line and circle.

3 hours. *Staff*

Text: H. TATE, *Elementary Mathematical Analysis* (Pitman).

113. ADVANCED TRIGONOMETRY AND ALGEBRA (Full course). The number system, elementary number theory, algebra, plane analytic geometry, advanced trigonometry.

3 hours. *Professor Burrow*

Text: A. S. Ramsey, *Analytic Geometry* (C.U.P.)

COURSES FOR GENERAL STUDENTS

216. SURVEY OF MATHEMATICS (Full course). Review of trigonometry. The analytic geometry of the straight line and circle. Permutations and combinations, binomial theorem, mathematical induction, complex numbers, functional notation, remainder theorem, solution of equations, elementary solid geometry, polyhedra, elementary introduction to logic and set theory.

3 hours. *Professor Lambek and Staff*

Texts: Robin Robinson, *Analytic Geometry* (McGraw-Hill); T. S. Peterson, *College Algebra* (Harper).

221a *or* b. ELEMENTARY STATISTICS (Half course). Review of analytic geometry. Averages, standard deviation, correlation, curve fitting.

First or second term: 3 hours.

Text: W. Kozakiewicz, *Notes on Statistics* (McGill).

224. ELEMENTARY CALCULUS (Full course). Review of analytic geometry, limits, differentiation and integration of elementary functions, with application to the determination of lengths, areas, and volumes and the solution of simple problems in mechanics, physics, etc.; partial differentiation.

This course is intended to give students of biochemistry, chemistry, economics, and sociology a working knowledge of the elements of calculus.

3 hours. *Professor Tate and others*

Text: R. R. Middlemiss, *Differential and Integral Calculus* (McGraw-Hill).

228a or b. SPHERICAL TRIGONOMETRY AND ASTRONOMY (Half course). Geometry of the sphere, solution of spherical triangles, celestial sphere, time, positions of the heavenly bodies, determination of geographical position.

First or second term: 3 hours. *Professor Fox*

Texts: Rider and Hutchinson, *Navigational Trigonometry* (Macmillans, Kells, Kern, and Bland, *Spherical Trigonometry with Naval and Military Applications* (McGraw-Hill); *American Nautical Almanac for 1955* (U.S. Government Printing Office).

Reference books: R. H. Baker, *Astronomy* (Van Nostrand); W. M. Smart, *Text-book on Spherical Astronomy* (Cambridge University Press).

329. THEORY OF INTEREST AND LIFE INSURANCE (Full course). Simple and compound interest, discount, annuities certain, sinking funds, bonds, mortgage amortization, depreciation, calculation of life annuities, premiums and reserves on life insurance policies.

3 hours. *Dr. Ritcey*

Prerequisite: Mathematics 224.

330. FURTHER CALCULUS AND DIFFERENTIAL EQUATIONS (Full course). Hyperbolic functions, partial differentiation, infinite series, beta and gamma functions, multiple integrals. Solution of ordinary differential equations by means of operators. Solution in series.

3 hours. *Professor Solin*

Prerequisite: Mathematics 224.

Text: T. S. Peterson, *Elements of Calculus* (Harper); Kells, *Elementary Differential Equations* (McGraw-Hill).

340. FINITE DIFFERENCES AND STATISTICS (Full course). Methods of interpolation and summation; approximate differentiation and integration; difference equations. Probability; averages; measures of dispersion; normal distributions; regression; correlation; sampling.

3 hours. *Professor Fox*

Texts: Freeman, *Mathematics for Actuarial Students* (C.U.P.); S. S. Wilks, *Elementary Statistical Analysis* (Princeton University Press).

Prerequisite: Mathematics 224 or 225.

437. ALGEBRA AND ANALYTIC GEOMETRY (Full course). Complex numbers, properties of polynomials, partial fractions, theory of equations, determinants, plane and solid analytic geometry.

3 hours. *Mr. Shupe*

Texts: F. S. Nowlan, *College Algebra* (McGraw-Hill); E. J. Purcell, *Analytic Geometry* (Appleton, Century, Crofts).

Prerequisite: Mathematics 224.

HONOURS COURSES

N.B. No student may register for an Honours course without the consent of the Department. This does not apply to Honours students in Chemistry who wish to take 332 or 447.

Second year

225. CALCULUS (Full course). Limits, derivatives, and integrals. Application of differentiation and integration to the solution of problems involving maxima and minima, rates, curvature, eongths of curves, areas, volumes of solids, centres of gravity, and similar problems. Theorems of Rolle and Taylor. Partial Differentiation.

3 hours. *Professor Tate*

Text: Sherwood and Taylor, *Calculus* (Prentice-Hall).

226. PLANE AND SOLID ANALYTIC GEOMETRY (Full course). The plane analytic geometry of the straight line, circle, parabola, ellipse, hyperbola, the general equation of the second degree, polar co-ordinates. The line, plane, sphere, central conicoids, paraboloids, and ruled surfaces of the second degree in three dimensions. Spherical Trigonometry.

3 hours. *Professor Solin*

Texts: A. B. Grieve, *Plane and Solid Analytic Geometry* (Bell); MacRobert and Arthur, *Spherical Trigonometry* (Methuen).

227. VECTORS, DETERMINANTS AND ALGEBRA (Full course). Algebra of vectors; scalar and vector product of two vectors; multiple products; differentiation of vectors with applications; determinants; Cramer's rule; special determinants. Complex numbers, including De Moivre's theorem and geometrical representation; matrices; consistency of systems of linear equations and numerical methods for their resolution; characteristic equation of a numerical matrix; polynomials in one variable, numerical solution of equations.

3 hours. *Professors Wallace and Findlay*

Third year

331. STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS (Physics 31) (Fac. Eng. 1268) (Full course).

(a) Dynamics of a particle in one and two dimensions, motion of pairs of particles, introduction to dynamics of rigid bodies, mass systems.

First term: 3 hours. *Professor F. R. Terroux (Physics)*

Texts: Lamb, *Statics*; and Lamb, *Dynamics* (C.U.P.).

Reference books: Synge and Griffith, *Principles of Mechanics* (McGraw-Hill); Slater and Frank, *Mechanics* (McGraw-Hill).

(b) Central orbits, elements of rigid dynamics in two and three dimensions, Lagrange's equations with simple applications, oscillation about equilibrium positions.

Second term: 3 hours. *Professor Lomon*

Prerequisite: Mathematics 225, Physics 24, 25.

Text: Slater and Frank, *Mechanics* (McGraw-Hill).

Reference Books: The books listed in (a) above.

332. INTERMEDIATE CALCULUS AND DIFFERENTIAL EQUATIONS (Full course). Partial differentiation, Jacobians and implicit functions, mean value theorems, Green's theorem, Stokes's theorem, Taylor's series, line and multiple integrals, vectors. Solution of ordinary differential equations,

especially with constant coefficients, solution in series by the method of Frobenius, introduction to partial differential equations. Fourier series.

3 hours. *Professor Kahana*

Prerequisite: Mathematics 224.

Texts: Sherwood and Taylor, *Calculus* (Prentice-Hall); Kells, *Elementary Differential Equations* (McGraw-Hill).

333. ADVANCED CALCULUS (Full course). Partial differentiation, Jacobians and implicit functions, Riemann-Stieltjes integral, mean value theorems and Taylor series, indeterminate forms, line integrals, Green's and Stokes's theorems, vectors, definition of analytic functions of a complex variable, poles and residues, evaluation of definite integrals, the Gamma function and related definite integrals.

3 hours. *Professor Rosenthall*

Texts: Franklin, *Methods of Advanced Calculus* (McGraw-Hill); R. V. Churchill, *Introduction to Complex Variables and Applications* (McGraw-Hill).

334. DIFFERENTIAL EQUATIONS (Full course). Solution of ordinary differential equations by means of operators, series and iteration methods; boundary value problems and orthogonal functions; introduction to partial differential equations; solution of partial differential equations of mathematical physics by use of Fourier series and integrals; Bessel functions, Legendre polynomials and applications. Laplace transforms, calculus of variations.

3 hours. *Professor Melamed*

Texts: F. B. Hildebrand, *Advanced Calculus for Engineers* (Prentice-Hall; R. V. Churchill, *Fourier Series and Boundary Value Problems* (McGraw-Hill); F. H. Miller, *Partial Differential Equations* (Wiley).

Third or Fourth year

341a. THEORY OF GAMES (Half course). Matrix games; convex sets; the fundamental theorem; extensive games; linear programming.

First term: 3 hours. *Professor Peck*

Text: J. C. V. McKinsey, *Introduction to the Theory of Games* (McGraw-Hill).

341b. MATHEMATICAL LOGIC (Half course). Propositional and predicate calculus; Peano's axioms and formalised arithmetic; algebra of classes and relations; formal set theory and the axiom of choice.

Second term: 3 hours. *Professor Lambek*

344a. THEORY OF NUMBERS (Half course). The number system; repeating decimals; congruences; Diophantine equations; continued fractions; nonlinear congruences; quadratic residues.

First term: 3 hours. *Professor Lambek*

Text: B. W. Jones, *The Theory of Numbers* (Rinehart and Co.)

344b. GEOMETRY (Half course). Affine and projective spaces; introduction of coordinates; theorems of Desargues and Pappus; projective transformations; projective theory of conics, non-Euclidean geometry.

Second term: 3 hours. *Professor Rattray*

Text: Buseman and Kelly, *Projective Geometry.*

Fourth year

438b. ADVANCED MATHEMATICAL STATISTICS (Half course). Small samples; theory of normal regression; partial and multiple correlation; testing hypotheses, analysis of variance; non-parametric methods.

Second term: 3 hours. *Professor* ————

Prerequisites: Mathematics 224 or 225, 333, 340.

Text: Hoel, *Mathematical Statistics* (Wiley).

(*Not given in 1959-60.*)

441. MATHEMATICAL PHYSICS (Physics 41) (Fac. Eng. 1290 and 1390) (Full course). Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat conduction and diffusion. Introduction to relativity and wave mechanics.

3 hours. *Professor Wallace*

Texts: Joos, *Theoretical Physics* (Blackie); Lindsay, *Methods and Concepts in Theoretical Physics* (Van Nostrand).

442a. LINEAR ALGEBRA (Half course). Fields; vector spaces; linear transformations; linear groups and canonical forms; quadratic forms.

First term: 3 hours. *Professor Schwerdtfeger*

Text: R. M. Thrall and L. Tornheim, *Vector Spaces and Matrices* (Wiley).

442b. ALGEBRAIC SYSTEMS (Half course). Groups, rings and ideals; fields; polynomial ideals; lattices and projective geometry; solution of linear inequalities.

Second term: 3 hours. *Professor Schwerdtfeger*

Text: Same as 442a.

443. METHODS OF NUMERICAL ANALYSIS (Full course). Numerical solution of linear, algebraic, and transcendental equations, inversion of matrices, computation of eigen values and eigen vectors of matrices, orthogonal functions.

2 hours and laboratory. *Professor Schwerdtfeger*

Text: L. Nielson, *Methods in Numerical Analysis* (Macmillan Co.).

444. ANALYSIS (Full course). The real number system; metric spaces; compactness; completeness; continuous functions on a compact metric space; Lebesgue integral; Fourier series; selected topics from the theory of functions of a complex variable.

3 hours. *Professor Rosenthall*

Texts: W. Rudin, *Mathematical Analysis* (McGraw-Hill); L. V. Ahlfors, *Complex Analysis* (McGraw-Hill).

445a. TOPOLOGY (Half course). Topological spaces and continuous maps; metrization theorems; Jordan curve theorem; Brouwer fixed point theorem; classification of surfaces.

First term: 3 hours. *Professor Rattray*

Text: E. M. Patterson, *Topology* (Oliver and Boyd).

(*Not given in 1959-60.*)

445b. PROBABILITY (Half course). Probability in a sample space; stochastic convergence; law of large numbers; central limit theorem; random walk; recurrent events and their application to the theory of runs.

Second term: 3 hours. *Professor* ———

(*Not given in 1959-60.*)

446a. FLUID DYNAMICS (Half course). The equations of motion, conservation of energy and circulation, the theory of images, complex potential and conformal transformation methods, especially solutions for vortex arrays and aerofoil theory, Stokes's stream function for three-dimensional solutions, the equations of viscous flow and boundary layer motion.

First term: 3 hours. *Professor Fox*

Texts: Milne-Thomson, *Hydrodynamics* (Macmillan); Ramsey and Besant, *Hydro-Mechanics* (C.U.P.).

446b. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM (Half course). Basic theory of electrostatics and steady current theory, using the theory of images and complex potentials; magnetism, magnetic effects of currents and electro magnetic induction, Maxwell's equations, reflection and refraction of waves; rectangular wave guide propagation; dipole radiation and antennae.

Second term: 3 hours.

Text: Slater and Frank, *Electro-magnetism* (McGraw-Hill).

(*Not given in 1959-60.*)

447. HIGHER MATHEMATICS FOR CHEMISTS. For chemists and other qualified students (Full course). Selected topics in algebra, advanced calculus, and mechanics, designed for prospective students of Quantum Chemistry.

2 hours. *Professor Sharp*

Prerequisites: Mathematics 224, 332.

448b. ADVANCED DYNAMICS (Half course). General formulation of Lagrangian dynamics, Hamiltonian equations. Least action principle. Canonical transformations. Poisson brackets. Hamilton-Jacobi theory. Theory of Spinors.

Second term: 3 hours. *Professor Wallace*

Text: Goldstein, *Classical Mechanics.*

449a. TENSOR ANALYSIS. Covariant and contravariant tensors and their laws of transformation, the fundamental tensors. Covariant and contravariant differentiation. The Riemann-Christoffel Tensor and the Bianchi identities, applications to geometry, classical dynamics, and the theory of Relativity. Four-dimensional space-time. Einstein's law of gravitation and the Schwarzschild solution.

First term: 3 hours. *Professor Lomon*

Text: B. Spain, *Tensor Analysis* (Oliver and Boyd).

450. THEORY OF LIFE CONTINGENCIES (Full course). Theory of interest. Single and multiple life functions.

3 hours. *Professor* ————

Prerequisites: Mathematics 224, 330, 340 (which may be taken concurrently).

Text: C. W. Jordan, *Life Contingencies* (Society of Actuaries); Donald, *Compound Interest and Annuities Certain* (C.U.P.).

SUMMARY OF ORGANIZED COURSES OF STUDY

The following courses of study are designed to give students the maximum opportunity of entering various fields in which mathematical training is fundamental. Attention is particularly called to opportunities in: research in Pure and Applied Mathematics; teaching in Universities and High Schools; applications to engineering and the physical and biological sciences; statistical work in industry and government departments; actuarial work in insurance companies.

(a) Continuation Courses for the General Degree.

These are normally courses 224, 329, 330, 340, 437. (See pages 1106 and 1107.)

Substitutions may be made only with the permission of the chairman.

(b) General Degree with Special Distinction in Mathematics.

The prescribed courses are:

Second year: Mathematics 225, 226.

Third year: Mathematics 227, 333.

Fourth year: Any two Mathematics Honours courses of the Third and Fourth years for which prerequisite requirements are satisfied.

This course of study may be combined with any combination of other subjects which satisfy the normal requirements for the General Degree.

HONOURS COURSES

(c) Honours in Mathematics. (New Course—begun in 1958.)

Prerequisite: High standing in First year mathematics.

Second year: 225, 226, 227, and two other approved courses, normally not in mathematics.

Third year: 333, 334, 340, one of 329, 331; 341a,b; 344a,b and one approved course, not in mathematics.

Fourth year: 442a,b, 444 and the equivalent of two approved full courses chosen from 329, 331, 341a,b, 344a,b, 438b, 441, 443, 445a,b, 446a, 446b or Physics 42, 448b, 449a, 450 and one other approved course, normally not in mathematics.

Students who are now in the Third or Fourth year will consult the Chairman and proceed under the former regulations.

Ordinary students who intend to pursue a course in **Actuarial Mathematics** should take:

Mathematics 216, 224 in their Second year,
Mathematics 330, 437, in their Third year,
Mathematics 340, 450 in their Fourth year.

and should consult the Chairman of the Department.

JOINT HONOURS COURSES

(d) Honours in Economics and Mathematics. See under Department of Economics.

(e) Joint Honours in Mathematics and Philosophy.

Second year: Mathematics 225, 226, 227, Philosophy 200.

Third year: Mathematics 333, 334, Philosophy 310, 350, 360.

Fourth year: Mathematics 442a,b, 444, Philosophy 350 or 360, 410.

In the Second year one elective will be chosen in consultation with the joint Departments.

Students *may* also be asked to take a seminar course in Philosophy.

(f) Honours Course in Mathematics and Physics.

Prerequisite: High standing in First year mathematics and physics.

Regular Course

Second year:	Mathematics 225, 226, 227, Physics 23, 24, 25. One other approved course may be added as an extra.
Third year:	Mathematics 333, 334, Physics 31, 32, 33, 34, 35a, 36.
Fourth year:	Mathematics 441, 442a, 444, 446a or 448b, Physics 42, 43, 44b, 48.

Applied Mathematics Option

Second year:	As in regular course above.
Third year:	Mathematics 228b, 333, 334, Physics 31, 33, 34, 35a, 36.
Fourth year:	Mathematics 441, 442a, 444, 446a, 448b, 449b, Physics 42, 43, 44b.

Note—Mathematics 331 = Physics 31 and Mathematics 441 = Physics 41.

Students intending to proceed later with advanced or graduate training in Meteorology may, with the approval of the departments concerned, substitute course 301 Meteorology, (see page 1115) instead of one full or two half courses in Fourth year Mathematics.

It is recommended that a reading knowledge of scientific French and German be acquired before the end of the Fourth year, in courses (*c*), (*d*), (*e*), and (*f*) above.

(g) Engineering Physics.

This course, leading to a B.Eng. degree, is fully described in the Announcement of the Faculty of Engineering.

See also Engineering option in Honours Mathematics and Physics, as given on page 1130.

(h) Courses in the Faculty of Engineering.

These are described in detail in the Announcement of the Faculty of Engineering.

MEDAL

Attention is drawn to the Ann Molson Gold Medal, awarded annually.

GRADUATE COURSES IN PURE AND APPLIED MATHEMATICS

Organized courses of study are available for graduate work leading to a Master's degree. Details are available in the Announcement of the Faculty of Graduate Studies and Research.

METEOROLOGY

Professor — *to be appointed*
Associate Professor — SVENN ORVIG

Other staff appointments will be announced

The Department of Meteorology will be established at the beginning of the session. It will ultimately offer an undergraduate curriculum. During the current session it will offer the following undergraduate course for general B.Sc. students:

301. INTRODUCTION TO METEOROLOGY (Full course). Physical properties of the atmosphere. Radiation and the energy balance; causes of circulation. The formation of clouds and precipitation. Winds and pressure. Baroclinicity; fronts and air masses. Use of instruments. Principles and methods of synoptic analysis.

2 lectures, 3 laboratory hours. *The Staff*

Prerequisites: Mathematics 224 or 225 *and* Physics 11, 22a and 24, or permission of chairman.

MUSIC

MEMBERS OF THE FACULTY OF MUSIC

The courses in Music are open to those who have the qualifications for the regular courses of Music given in the Faculty of Music. The following courses may be taken as electives in the Faculty of Arts and Science. The first course of Music is for those who have offered Music as a Matriculation subject.

1. FIRST YEAR (Full course).

Harmony 101 (Faculty of Music)

Three hours.

An elementary course in written and keyboard harmony comprising a study of the following harmonic materials and techniques:

Triads and dominant seventh chords in all dispositions and inversions; principles of chord progression; part-writing drills; study of the conventional harmonic formulas and cadences; harmonic analysis; harmonization of melody and bass (unfigured) in Bach chorale style using triads, dominant seventh chords and elementary modulations; improvisation of short chorale melodies and of short harmonic progressions.

Texts: McHose, Basic Principles of the Techniques of 18th and 19th Century Composition (Chs. 13-31); McHose, Keyboard and Dictation Manual (Chs. 1-9).

Students will also be required to devote three hours weekly to aural training.

2. SECOND YEAR (Full course).

History and Analysis 101 (Faculty of Music).

Four hours.

3. THIRD YEAR (Full course).

History and Analysis 201 (Faculty of Music).

Four hours.

Music of the Classical and Romantic Periods. A comparative study of selected masterworks of both periods aimed at a definition of the classical-romantic anthithesis in terms of musical styles.

Texts: Lang, Music in Western Civilization; Boyden, An Introduction to Music.

4. FOURTH YEAR (Full course).

History and Analysis 301 (Faculty of Music).

Fours hours.

Music of the Renaissance and Baroque periods. A study of the style and character of Renaissance and Baroque music considered both autonomously and in relation to the intellectual and aesthetic currents of these periods. The course will include detailed analysis of contrapuntal forms.

Texts: Apel and Davison, Historical Anthology of Music, Vol. 2; Bukofzer, Music in the Baroque.

PHILOSOPHY

Professors	T. G. HENDERSON, *Chairman*
	RAYMOND KLIBANSKY
	J. W. MILLER
Associate Professor	CECIL CURRIE
Assistant Professor	ALASTAIR MCKINNON
Lecturers	A. GOMBAY
	S. MCCALL
	J. D. ROSS

GENERAL COURSES

200. INTRODUCTION TO PHILOSOPHY. Second year (Full course).

An introduction to the chief problems of Philosophy in connection with their development in Greek, mediaeval, and modern times.

Lectures: 2 hours. *Professors Henderson and Miller*

Conference groups: 1 hour. *Professor McKinnon; Mr. Gombay, Mr. McCall and Mr. Ross*

Reading: *Socratic Dialogues* (Nelson); *Descartes* (Nelson); *Hume* (Nelson); James, *Pragmatism* (Meridian).

300. ETHICS. Second year (Full course).

The main types of ethical theory.

Lectures and conferences: 3 hours. *Professor McKinnon*

Reading: Plato, *Republic;* Hobbes, *Leviathan;* Butler, *Fifteen Sermons;* Kant, *Fundamental Principles of the Metaphysic of Morals;* Mill, *Utilitarianism.*

310. LOGIC AND SCIENTIFIC METHOD (Full course).

Deductive logic: introduction to modern symbolic logic with emphasis upon applications. Inductive logic and scientific method: verification, probability, hypothesis, and related topics.

3 hours. *Professor Miller, Mr. McCall, Mr. Ross and Mr. Gombay*

Textbook: Miller, *Syllabus of Introductory Logic,* and *Logic Workbook.*

Prerequisite: Philosophy 200, except for Third and Fourth year students of science.

The class will be divided into two sections, designated as 310 I and 310 II.

320. AESTHETICS (Full course). A philosophical treatment of certain problems in the spheres of art and criticism. Among the subjects discussed will be: the nature of aesthetic experience and of the artistic object; the interpretation of a work of art; artistic form; the criteria of aesthetic value. Illustrations and examples will be drawn from a variety of arts, including music and poetry.

3 hours. *Mr. McCall and Mr. Ross*

Prerequisite: At least one full course in philosophy. With the consent of the lecturers, certain students may be permitted to take this course without this requirement being fulfilled.

Reading: R. G. Collingwood, *The Principles of Art;* Monroe Beardsley, *Aesthetics: Problems in the Philosophy of Criticism.*

330. PHILOSOPHY OF RELIGION (Full course). A discussion of the main problems of the philosophy of religion as considered in the works of various philosophers.

3 hours. *Professor McKinnon*

Reading: Anselm, *Monologium* and *Proslogium* (Open Court); Aquinas, *Selected Writings* (Everyman's Library); Pascal, *Pensées* (Everyman's Library); Hume, *Dialogues Concerning Natural Religion* (Nelson); Kant, *Selections* (Scribner's); Kierkegaard, *Philosophical Fragments* (Princeton); Bergson, *Two Sources of Morality and Religion* (Doubleday).

Prerequisite: Philosophy 200.

(*Not given in 1959-60.*)

340. PHILOSOPHY OF HISTORY (Full course). An investigation into the nature, and the philosophical significance, of historical knowledge, pursued *via* readings in the works of Dilthey, Croce, Collingwood, Ortega y Gasset, Toynbee, and some other contemporary authors.

3 hours. *Professor Currie*

Prerequisite: Philosophy 200.

HISTORICAL

350. GREEK PHILOSOPHY. Third and Fourth years (Full course). The theory of knowledge and metaphysics of Plato and Aristotle, with special reference to Plato's *Phaedrus*, *Ion*, *Symposium*, *Republic* (Books V-VII) *Theaetetus*, and *Timaeus;* and Aristotle's *Physics*, *Metaphysics*, *De Anima*, and *Poetics*.

3 hours. *Professor Henderson*

Prerequisite: Philosophy 200 or 300, except for students in Honours courses in Greek.

Reading: The Dialogues of Plato (Random House); *Introduction to Aristotle* (Modern Library).

360. MODERN PHILOSOPHY (Full course). Epistemology and Metaphysics: the main modern discussions.

3 hours. *Professor Currie*

Reading: Locke, *Essay Concerning Human Understanding;* Hume, *A Treatise of Human Nature;* Kant, *Prolegomena to any Future Metaphysics;* Hegel, *Introduction to the Philosophy of History;* Bergson, *Introduction to Metaphysics;* Whitehead, *The Function of Reason.*

Prerequisite: Philosophy 200.

370. MEDIAEVAL AND RENAISSANCE PHILOSOPHY (Full course). Main problems of mediaeval philosophy in their development from Plotinus and St. Augustine to the Fifteenth Century, with special reference to Boethius, Scotus Eriugena, Anselm, Abailard, the School of Chartres, St. Thomas, Master Eckhart, Duns Scotus, William of Ockham, Nicholas of Cues, Marsilio Ficino, and Pico della Mirandola.

Reading: St. Augustine, *Confessions* and *City of God* (Everyman's Library, London 1945); Boethius, *The Consolation of Philosophy* (Garnier); selections from *Mediaeval Philosophers, vols. I-II* (Modern Student's Library, Scribner's).

3 hours. *Professor Klibansky*

Prerequisite: Philosophy 200; or consent of lecturer.

SYSTEMATIC AND ADVANCED COURSES

400. ETHICS AND PHILOSOPHY OF POLITICS (Full course).

Reading:

(1) Moore, *Principia Ethica;* Stevenson, *Ethics and Language;* Hare, *The Language of Morals;* Lewis, *The Ground and Nature of the Right.*

(2) Plato, *Crito, Gorgias, Republic, Statesman;* Aristotle, *Nicomachean Ethics, Politics;* Thomas Aquinas, selected portions from the *Summa Theologica* and the *Summa contra Gentiles;* Machiavelli, *The Prince* and *Discourses* (New York 1940); Locke, *The Second Treatise of Civil Government,* and *A Letter on Toleration* (Oxford 1946); Kant, *Perpetual Peace;* Hegel, *Philosophy of History* (Scribner's) and *Philosophy of Right* (Oxford 1942); Mill, *On Liberty* and *Considerations on Representative Government* (Oxford 1946); M. Oakeshott, *The Social and Political Doctrines of Contemporary Europe* (Cambridge 1944).

3 hours. *Professors Miller and Klibansky*

Prerequisite: Philosophy 300. Honours students from other departments may be admitted with the consent of the lecturers.

410. PROBLEMS OF LOGIC, EPISTEMOLOGY, AND METAPHYSICS (Full course).

(*a*) An examination of fundamental problems of logic, theory of knowledge, and metaphysics will be made on the basis of selected readings from the works of Kant, Husserl, Cassirer, as well as of Russell and some other contemporary authors.

(*b*) The philosophy of Whitehead.

3 hours. *Professors Klibansky and Henderson*

Prerequisites: Philosophy 200, 310 or 350 or 360.

420. SEMINAR ON THE PHILOSOPHY OF KANT (Full course).

3 hours. *Professor Currie*

1959-60: Kant's Theory of Knowledge.

Reading: The Critique of Pure Reason (trans. N. K. Smith).

Prerequisite: Philosophy 360. (*1960-61:* Kant's Theory of Morals, Religion, and Politics).

440. SEMINAR ON PHILOSOPHY (Full course).

Subject for 1959-60: Issues in Contemporary Philosophy.

3 hours. *The Staff*

Reading: to be announced.

Prerequisites: Open to Fourth year Honours and Graduate students; or may be taken with special consent of the lecturers.

HONOURS COURSES

Full Honours students will take at least the following courses:

Second year: Philosophy 200, (300).

Third year: Philosophy 300, 310, 350 and 360.

Fourth year: Philosophy 400, 410 and 420.

Full Honours students are advised to take Philosophy 200 and 300 in the Second year.

At the conclusion of the Fourth year, there is a comprehensive examination on the total work done in the field of Philosophy, which will take the place of examinations in the courses of that year. For Full Honours students the examination will consist of three papers; one in the history of philosophy, one in ethics, and one in systematic philosophy (logic, epistemology, and metaphysics). Students pursuing a Joint Honours course will take two of the papers, the selection being made in accordance with the combined subject-matter of their course of study. The examination will presume a knowledge of the major classical works in each of these fields, some of which may not be dealt with in any lecture course or seminar.

JOINT HONOURS

The following courses in Joint Honours may be taken:

Economics and Philosophy (see under Department of Economics and Political Science).

English and Philosophy (see under Department of English).

French and Philosophy (see under Department of Romance Languages).

German and Philosophy (see under Department of German).

Greek and Philosophy (see under Department of Classics).

History and Philosophy (see under Department of History).

Latin and Philosophy (see under Department of Classics).

Mathematics and Philosophy (see under Department of Mathematics).

Philosophy and Political Science.

2nd year: Philosophy 200 and 300, Political Science 211H, Economics 211H (*Note:* Philosophy 300 may be taken in the Third year if desired).

3rd year: Philosophy 350 or 360, Political Science 311.

4th year: Philosophy 350 and 360 (whichever not taken before), Philosophy 400, Political Science courses 353b, 351, and 411a.

At the end of the Fourth year, students taking Joint Honours in Philosophy and Political Science will write a Final Honours Comprehensive Examination consisting of the following papers:

Ethics and Political Philosophy,

The History of Philosophy,

Major Paper in Political Science,

Special Subject in Political Science.

CONTINUATION COURSES

Students interested in studying Philosophy in conjunction with other subjects are advised to take their selected courses in Philosophy in the sequences indicated below in connection with the other studies.

1. Philosophy with one or more studies in the social sciences, e.g., economics, history, politics, psychology, and sociology:
Philosophy 200, 300, 310, 330, 350, 370, 400.

2. Philosophy, with one or more studies in the natural sciences, e.g., biochemistry, botany, chemistry, genetics, physics, zoology:
Philosophy 200, 310, 360, 410.

3. Philosophy with studies in English or Foreign Literature:
Philosophy 200, 300, 320, 330, 350, 360, 370.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

PHYSICS

Professors G. A. WOONTON, *Chairman*
J. S. FOSTER
J. S. MARSHALL
E. R. POUNDER

Associate Professors
R. E. BELL
K. L. S. GUNN
W. F. HITSCHFELD
W. M. MARTIN
ANNA I. MCPHERSON
F. R. TERROUX

Assistant Professors
C. R. CROWELL
J. F. MATHISON
E. J. STANSBURY

Lecturers
M. L. DE ANGELIS
M. P. LANGLEBEN
G. V. MARR
W. M. TELFORD

Senior Demonstrators
V. M. FORBES
E. V. HARKNESS
E. L. MORRISON
F. H. WEBB

FIRST YEAR COURSES*

11. GENERAL COURSE (Full course). A general course covering the elementary portions of mechanics, sound, heat, magnetism, electricity, light, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 hours. *Professors Gunn and Hitschfeld and Dr. Marr*

Laboratory (11L): 2 hours *Professor McPherson and Demonstrators*

Texts: Mendenhall, Eve, Keys, and Sutton, *College Physics* (Heath); *An Elementary College Course in Experimental Physics* (Renouf).

111. MECHANICS AND ELECTRICITY (Fac.Eng.1311) (Full course).** An introductory course covering the elementary portions of mechanics, magnetism, electricity, and atomic physics. Simple applications of

*These courses may be taken in the Second or Third years by *B.A.* or *B.Com.* students provided that their timetables permit.

**Physics 111 along with Physics 22a and Physics 22b constitute a two-year survey course. Physics 111 is intended to be taken only by students who plan no further courses in Physics after Physics 22a and 22b. All other first year students should register for Physics 11.

fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 lectures per week, session.†

Professors Martin, Bell and Mathison

Laboratory, 2 hours per week, session. *Professor McPherson*

Texts: Marshall & Pounder, *Physics* (Macmillan); *An Elementary College Course in Experimental Physics* (Renouf Publishing Co.)

SECOND YEAR COURSES‡

22a. HEAT (Fac. Eng. 1320) (Half course). Temperature, kinetic theory, heat engines, throttling, evaporation hygrometry, heat transfer, radiation, and expansion.

First term: 3 hours.

Professors Marshall, Stansbury, McPherson and Dr. Langleben

Laboratory (22aL): 2 hours.

Professors Terroux and McPherson and Demonstrators

Prerequisite: Physics 11 or 111.

Texts: Marshall & Pounder, *Physics* (Macmillan), *Heat, Light and Sound Laboratory Manual* (Renouf).

22b. SOUND AND LIGHT (Fac. Eng. 1322) (Half course). Simple harmonic motion, waves, interference, moving sources, diffraction, vibrating systems, intensity level, audibility, musical scales, and acoustics. Waves and rays, lenses and mirrors, aberrations, the eye, optical apparatus, illumination, interference, polarized light. The wave theory developed in sound is used for light.

Second term: 3 hours.

Professors Marshall, Stansbury, McPherson and Dr. Langleben

Laboratory (22bL): 2 hours.

Professors Terroux and McPherson and Demonstrators

Prerequisite: Physics 11 or 111.

Texts: Marshall and Pounder, *Physics* (Macmillan); *Heat, Light and Sound Laboratory Manual* (Renouf).

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†Voluntary tutorials are provided to assist students in 111.

‡Courses 22, 23, 24 or 25 may be taken by B.A. or B.Sc. students (general course) in their Third year provided that their timetables permit. Courses 23, 24, or 25 may be taken by B.A students in their Fourth year provided that their timetables permit.

23. ELECTRICITY AND MAGNETISM (Fac. Eng. 1340, 1344) (Full course). The fundamentals of magnetism, electrostatics, current electricity, electromagnetic induction, electrodynamics, theory of simple circuits, elementary electronics. Demonstrations, applications, and numerical examples are emphasized. The laboratory course is essential and complementary to the lectures, illustrating main principles and providing a thorough introduction to the theory and use of common electrical apparatus.

3 hours. *Professors Woonton and Stansbury*

Laboratory (23L) 3 hours. *Professor Pounder and Demonstrators*

Prerequisite: Physics 11. Mathematics 224 or 225 to be taken concurrently.

Text: Ward, *Introduction to Electrical Engineering* (Prentice-Hall).

Reference books: Signal Training Manual, Vol. II, Part I, Electricity and Magnetism (H.M. Stationery Office); Page, *Lessons in Electricity* (Macmillan); Brown, *Electricity and Magnetism* (Holt); Starling, *Electricity and Magnetism* (Longmans Green); Sears, *Electricity and Magnetism* (Addison-Wesley). Shortley and Williams, *Physics Vol. II* (Prentice-Hall).

23X. ELECTRICITY AND MAGNETISM (Half course). Same as course 23 without laboratory work.

3 hours. *Professor Woonton*

24. DYNAMICS (Half course). Kinematics, vectors, motion under gravity, laws of motion, applications, impulse, work and energy in linear motion and rotation, projectiles, collision of elastic bodies, normal accelerations, simple harmonic motion, wave motion, pendulum, moments of inertia. Students are required to work a large number of problems.

First term: 1 hour. Second term: 2 hours. *Professor Terroux*

Prerequisite: Physics 11. A course in Calculus should be taken concurrently.

Text: Loney, *Statics and Dynamics* (C.U.P.).

25. STATICS AND HYDROSTATICS (Half course). Statics of particles and rigid bodies acted on by forces in one plane, centre of gravity, friction, funicular polygon, virtual work. Fluid pressure, specific gravity, centre of pressure. Hooke's law and elements of elasticity, bending of beams and struts. Solutions of numerous problems by graphical and analytical methods required.

First term: 2 hours. Second term: 1 hour. *Professor Hitschfeld*

Prerequisite: Physics 11. A course in Calculus should be taken concurrently.

Text: Short, *Elementary Statics* (Oxford University Press).

27b. ASTROPHYSICS. (Half course). Elementary review of the determination of the positions, sizes, motions and temperatures of the stars. Spectroscopy as applied to the problems of astrophysics. Practice measurements and analysis of typical stellar spectrograms.

Second term: 2 hours, laboratory (27L): 2 hours. *Professor McPherson*

Prerequisite: Physics 11.

Reference books: Russel, Dugan and Stewart, *Vols. I, II, Astronomy* (Ginn); Aitken, *The Binary Stars* (Univ. of California Pub.)

THIRD YEAR COURSES*

31. MECHANICS (Mathematics 331.) (Fac. Eng. 1368) (Full course).

(*a*) Two dimensional mechanics of a particle, systems of particles and of rigid bodies; chains and cables; mass systems; dissipative forces; forced and damped oscillations; normal modes of vibration of simple systems; central orbits under attractive and repulsive forces with applications.

First term: 3 hours. *Professor Terroux*

Texts: Lamb, *Statics* (C.U.P.); Lamb, *Dynamics* (C.U.P.).

Reference books: Synge and Griffith, *Principles of Mechanics* (McGraw-Hill); Slater and Frank, *Mechanics* (McGraw-Hill). Lindsay, *Physical Mechanics* (Van Nostrand).

(*b*) Central orbits and scattering problems. Lagrangian and Hamiltonian equations. Rotations. Motion of rigid bodies, principal axes and moments of inertia. Normal modes of vibration and characteristic frequencies of oscillating systems, with applications to atomic and molecular physics.

Second term: 3 hours. *Professor E. L. Lomon (Mathematics)*

Text: Slater and Frank, *Mechanics* (McGraw-Hill).

Reference books: Goldstein, *Classical Mechanics* (Addison Wesley); Corben and Stehle, *Mechanics* (Wiley).

Prerequisite to both parts: Physics 24, 25; Mathematics 225.

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*Courses 31 to 35 may be taken by qualified general course students in the fourth year, if timetable permits. General course students of the Third and Fourth years may attend courses 31, 33, or 34, *only* if they have obtained at least second class standing in the respective prerequisites to these courses.

32. PROPERTIES OF MATTER (Fac. Eng. 1366) (Half course). The standard properties of matter—elasticity, gravitation, surface tension and viscosity—are studied in both lectures and laboratory. A few lectures are devoted to errors in measurement and their treatment.

1 hour; laboratory (32L): 3 hours. *Professor Gunn*

Prerequisite: Physics 11, 24, 25; Mathematics 224 or 225.

Reference books: Smith, *General Properties of Matter* (Arnold); Newman and Searle, *General Properties of Matter* (Benn); Beers, *Introduction to the Theory of Error* (Addison-Wesley).

33. ELECTRONICS CIRCUITS AND INSTRUMENTS (Half course). Theory and application of electronic devices with emphasis on the instruments used in scientific research.

1 hour; Laboratory (33L), 2 hours. *Professor Crowel*

Prerequisite: Physics 23.

Reference Books: Terman, *Electronic and Radio Engineering, 4th Ed.* (McGraw-Hill); Cruft Laboratory Staff, *Electronic Circuits and Tubes* (McGraw-Hill); Valley and Wallman, *Vacuum Tube Amplifiers* (McGraw-Hill); Chance et al., *Waveforms* (McGraw-Hill).

34. HEAT AND THERMODYNAMICS (Fac. Eng. 1342) (Full course). Thermodynamic systems and variables. The zeroth, first and second laws. The thermodynamics of: heat engines; two-phase systems, including a statement of the third law; thermoelectricity; Joule-Thomson effect; thermionic emission; thermal radiation. Kinetic theory of gases, introduction to statistical mechanics.

2 hours. *Professor Hitschfeld*

Prerequisites: Physics 22a and Mathematics 224 or 225.

Text: Sears, *Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics* (Addison-Wesley)

Reference books: Zemansky, *Heat and Thermodynamics* (McGraw-Hill); Hoare, *Textbook of Thermodynamics* (Longmans Green); Sir James Jeans, *Kinetic Theory of Gases* (C.U.P.); Worthing and Halliday, *Heat* (Wiley).

35a. ELECTRON PHYSICS (Fac. Eng. 1362) (Half course). Charge and mass of the electron. The electron as a constituent of matter: atomic structure; electrons in metals and insulators. Liberation of electrons from matter; thermionic emission, secondary emission, photoelectric emission, ionization processes, electrical discharges in gases. Control of free electrons:

electron ballistics, electron optics. Wave characteristics of the electron; electron diffraction. Applied electronics: cathode-ray oscillograph, X-ray tubes, electron microscope, radio-tubes.

First term: 2 hours. *Professor Pounder*

Prerequisite: Physics 23.

Reference books: Stranathan, *The Particles of Modern Physics* (Blakiston); Millman and Seely, *Electronics* (McGraw-Hill); Richtmyer and Kennard, *Introduction to Modern Physics* (McGraw-Hill).

36. ADVANCED LIGHT (Fac. Eng. 1364) (Full Course). The essentials of geometrical and physical optics with advanced laboratory work. Electromagnetic theory, interference, diffraction, polarization, simple spectrum analysis, determination of fine structure of spectral lines, Zeeman effect, theory and use of optical apparatus (e.g., glass and quartz spectographs, Lummer plates, interferometers, and polarimeters).

First term: 2 hours. Second term: 1 hour. Laboratory (36L): 3 hours (session). *Professor McPherson*

Prerequisites: Physics 11, Mathematics 224 or 225.

Reference books: Morgan, *Introduction to Geometrical and Physical Optics* (McGraw-Hill); Robertson, *Physical Optics* (Van Nostrand); Wood, *Physical Optics* (Macmillan); Jenkins and White, *Fundamentals of Optics*, (McGraw-Hill); Hardy and Perrin, *The Principles of Optics* (McGraw-Hill).

FOURTH YEAR COURSES

41. MATHEMATICAL PHYSICS (Mathematics 441) (Fac. Eng. 1390) (Full course). Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat heat conduction and diffusion. Introduction to statistical mechanics and wave mechanics.

3 hours. *Professor R. T. Sharpe (Mathematics)*

Prerequisite: Mathematics 333.

Reference books: Margenau and Murphy, *The Mathematics of Physics and Chemistry* (McGraw-Hill); Coulson, *Waves* (Oliver and Boyd); Lindsay, *Concepts and Methods of Theoretical Physics* (Van Nostrand); Joos, *Theoretical Physics* (Blackie); Sommerfeld, *Partial Differential Equations* (Academic Press); Born, *Atomic Physics* (Blackie); Menzel, *Mathematical Physics* (Prentice-Hall).

42. ELECTROMAGNETIC THEORY (Fac. Eng. 1388) (Half course). Field theory; electrostatics; Laplace's equation; dielectrics; magnetic fields of currents; magnetic materials, electromagnetic induction and Maxwell's equations; electromagnetic waves and energy flow; scalar and

vector potentials. Application of these fundamental ideas is made to some of the following topics: skin effect; propagation of waves in conducting media; propagation of guided waves; the electromagnetic foundation of the optical laws of reflection and refraction; diffraction; radiation from antennae.

First term: 2 hours. Second term: 1 hour. *Professor Stansbury*

Prerequisites: Physics 23 and Mathematics 333.

Text: Slater and Frank, *Electromagnetism* (McGraw-Hill).

Reference book: Ramo and Whinnery, *Fields and Waves in Modern Radio* (Wiley).

43b. ATOMIC AND MOLECULAR STRUCTURE (Fac. Eng. 1382) (Half course). A concise and connected description of selected topics including recent investigations. Spectra and structure of one electron system; helium; multiplet structure and electron-spin; energy levels according to Dirac; Pauli principle and periodic classification; Zeeman and Stark effects; Lamb-Rutherford experiment; hyperfine structure in hydrogen and radio-astronomy; molecular spectra and structure; calculation of ionization potentials; energy level shifts; simple molecular structures; nuclear spins and quadrupole moments.

Second term: 2 hours; laboratory (43bL = 44bL), 3 hours.

Professor Mathison and Dr. Telford

Prerequisite: Physics 35.

Reference books: Herzberg, *Atomic Spectra and Atomic Structure* (Dover); White, *Introduction to Atomic Spectra* (McGraw-Hill); Series, *Spectrum of Atomic Hydrogen* (O.U.P.); Herzberg, *Molecular Spectra and Molecular Structure.* vol. 1 and 2 (Van Nostrand); Leighton, *Principles of Modern Physics* (McGraw-Hill).

44a. RADIOACTIVITY AND INTRODUCTORY NUCLEAR PHYSICS (Fac. Eng. 1392a) (Half course). The phenomena of radioactive disintegration and the laws of transformation of successive products; nature and properties of radiations; methods of detection and measurement; mechanisms of absorption and scattering; neutrons, positrons and the constitution of nuclei; artificial disintegration processes; fission and fusion.

First term: 2 hours; laboratory (44L), 3 hours.

Professor Terroux and Demonstrators

Prerequisite: Physics 35a.

Reference books: Rutherford, Chadwick and Ellis, *Radiations from Radioactive Substances* (C.U.P.); Cork, *Radioactivity and Nuclear Physics* (Van Nostrand); Lapp and Andrews, *Nuclear Radiation Physics* (Prentice-Hall); Semat, *Introduction to Atomic and Nuclear Physics* (Rinehart); Kaplan, *Nuclear Physics* (Addison-Wesley).

44b. PARTICLES AND QUANTA OF MODERN PHYSICS (Fac. Eng. 1392b) (Half course). X-rays and γ-rays; sources, detection, wave-length and energy measurements; optical properties, X-ray spectra and atomic energy levels; bremstrahlung, absorption and scattering; high energy physics; cosmic rays, behaviour of very high energy particles and photons; experimental methods; the elementary particles; high energy accelerators.

Second term: 2 hours; laboratory (44bL = 43bL), 3 hours.

Professor Martin and Dr. Telford

Note: Either half of this course, 44a or 44b may be taken by qualified students as a half course.

Prerequisite: Physics 35a.

Rreference books: Leighton, *Principles of Modern Physics* (McGraw-Hill; Peaslee, *Elements of Atomic Physics* (Prentice-Hall); Blackwood, Osgood and Ruark, *An Outline of Atomic Physics* (Wiley); White, *Introduction to Atomic Spectra* (McGraw-Hill); Evans, *The Atomic Nucleus* (McGraw-Hill).

47a. APPLIED GEOPHYSICS. (Fac. Eng. 1360.) (Half course.) An introduction to geophysical methods of prospecting and of investigating subsurface structure. The theories, the uses, and the limitations of various magnetic, electrical, gravitational, and seismic methods are explained and compared. The practical operation of the instruments is reviewed, and actual field results are obtained and analysed. When possible, students will be given some practical experience in the field. Laboratory facilities are available.

First term: 2 hours. *Dr. Telford*

Prerequisite: Physics 23.

Text: Eve and Keys, *Applied Geophysics, 4th ed.* (Cambridge Univ. Press) Dobrin, *Introduction to Geophysical Prospecting* (McGraw-Hill).

Reference books: Heiland, *Geophysical Exploration* (Prentice-Hall); Jakosky, *Exploration Geophysics* (Trija Publishing Company).

48. ELECTRICAL MEASUREMENTS (Fac. Eng. 1384) (Full course). D-C. instruments and measurements, complete galvanometer theory, instrument calibration; A-C. circuit theory, operational methods, applications; measurements at power, audio, and radio frequencies; measurements with Lecher wires; construction and testing of simple electrical devices; absolute measurements.

First term: 1 hour. Second term: 2 hours. Laboratory 3 hours (session).

Professor Woonton and Mr. deAngelis

Prerequisite: Physics 23.

Texts: Stout, *Basic Electrical Measurements* (Prentice-Hall); Harris, *Electrical Measurements* (Wiley).

Reference books: Law, *Electrical Measurements* (McGraw-Hill); Hague, *Alternating Current Bridge Methods* (Pitman); Harnwell, *Principles of Electricity and Electromagnetism* (McGraw-Hill); Campbell and Childs, *The Measurement of Inductance, Capacitance, and Frequency* (Macmillan).

HONOURS COURSE IN MATHEMATICS AND PHYSICS

Prerequisite: High standing in First year Mathematics, Physics 11 or 21 or 22. First Year students intending to take this Honours course are advised to take Physics 22 and Mathematics 113, if their time table permits; in this case they should also attend that part of Physics 11 which deals with electricity and magnetism.*

Second year: Mathematics 225, 226, 227; Physics 23, 24, 25. (One other approved course may be added as an extra.)

Third year: Mathematics 333, 334; Physics 31, 32, 33, 34, 35a, 36.

Fourth year: Mathematics 442a, 441, 444, 446a or 448b; Physics 42, 44, 43b, 48.

Third and Fourth year Honours students are advised to attend the Physical Society and colloquia.

It is recommended that a reading knowledge of scientific French and German should be obtained before the end of the Fourth year.

OPTIONS IN THE HONOURS COURSE IN MATHEMATICS AND PHYSICS

(1) Applied Mathematics Option

Second year: (As indicated above.)

Third year: Mathematics 228b, 333, 334; Physics 31, 33, 34, 35a, 36.

Fourth year: Mathematics 442a, 441, 444, 446a, 448b, 449a; Physics 42, 44, 43b.

(NOTE:—Physics 31 = Mathematics 331; and Physics 41 = Mathematics 441. "Physics 31" and "Mathematics 441" should, however, be used in all forms and records.)

(2) Engineering Option

Subject to the approval of the Chairmen of the Departments of Physics, Mathematics, and Electrical Engineering, Honours students in Mathematics and Physics who desire some training in Engineering may substitute Electrical Engineering courses 460 and 462 for Physics 32 and 36 in

*Students should refer to the Physics Department Office before registering for Physics 22.

the Third year; these two courses would then be taken in their Fourth year instead of one full or two half Mathematics courses. The summary of the courses for students taking this option would then be as follows:

Third year: Mathematics 333, 334; Physics 31, 33, 34, 35; Electrical Engineering 460, 462.

Fourth year: Mathematics 441, 444; Physics 32, 36, 42, 43, 44, 48.

A student taking this option is eligible to receive the B.Sc. degree with Honours in Mathematics and Physics, and in a Fifth year he may proceed towards an M.Sc. degree by taking further courses in Physics and Electrical Engineering.

Note:—The above option corresponds to the course formerly known as the Engineering Physics division of the Honours Course in Mathematics and Physics. See the Announcement of the Faculty of Engineering for data concerning the course in Engineering Physics offered to students in Engineering.

(3) Meteorology Option

Students intending to proceed later with advanced or graduate training in Meteorology, may, with the approval of the departments concerned, substitute Meteorology 301 (see page 1115) for one full or two half courses in Fourth year Mathematics. (Unless otherwise arranged, and also approved by the Mathematics Department, Mathematics 444 would be retained as in the Engineering option given above, but Meteorology 301 would be taken in the Fourth year and there would be no change in the Third year.)

(4) Other Options

Subject to the approval of the departments concerned, other alternative options may be substituted, as in the case above, for one of the Mathematics courses.

JOINT HONOURS

Physics and Geology: See under Department of Geological Sciences.

Physics and Physiology:

First year: Mathematics 113; Physics 22; Chemistry 11; Botany 100 (a or b) with Zoology 100 (b or a), English 100, 100C.

Second year: Physics 23, 24; Chemistry 22, 24; Mathematics 225; Anatomy 6 or a half course approved by the Departments concerned.

Third year: Physiology 31; Physics 31, 33, 48; Mathematics 333; Biochemistry 31.

Fourth year: Physics 32, 41, 43b, 44; Physiology 41, 42.

CONTINUATION COURSES

Second year: Physics 22 or other courses as listed for the Third year, below, by special permission.

Third year: Physics 23, 24, 25, 27b or other courses by departmental permission.

Fourth year: Physics (32, 35a), (44a, 44b, 43b), (35a, 47), (35a, 44b) or other courses by departmental permission.

Students selecting Physics as a Continuation Subject must also select Mathematics 224 or 225, and later (337a, 337b).

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

PHYSIOLOGY

Professors F. C. MacIntosh, *Chairman*
A. S. V. Burgen
B. D. Burns

Associate Professor H. Garcia-Arocha

Assistant Professors Simon Dworkin
Bernice Grafstein
Paul Sekelj
Kathleen G. Terroux

Lecturers J. Q. Bliss
Carl Pinsky
E. J. Reininger
O. M. Solandt

Sessional Lecturer Hyman Weiner

22. ELEMENTARY PHYSIOLOGY. (Full course.) For Second and Third year Arts and Science students and students in the School of Physical and Occupational Therapy and the School for Graduate Nurses. An account

of general physiological principles, combined with an introduction to basic techniques, intended primarily for students who will specialize in the biological sciences.

2 hours and 3 hours laboratory. *Professor Terroux*

Prerequisites: Chemistry 11, Physics 11, Botany 100 (a or b) with Zoology 100 (b or a), Chemistry 22a, and Zoology 221 (the last two may be taken concurrently with Physiology 22).

Texts: Bell, Davidson, and Scarborough, *Textbook of Physiology and Biochemistry*, or Winton and Bayliss, *Human Physiology*.

31. HUMAN PHYSIOLOGY. (Two full courses.) This course is similar to the First year medical course in physiology.

5 hours lecture and 3 hours laboratory. *Professor Grafstein*

Prerequisite: Physiology 22.

By special permission, students may be admitted who have achieved high standing in the courses prerequisite for Physiology 22 but have not taken that course.

32. PHYSIOLOGY OF THE NERVOUS SYSTEM (Half course). This is an intermediate course in peripheral and central neurophysiology, for students specializing in Psychology. Since the material presented is part of that given in Physiology 31, the two courses may not both be taken.

1 hour first term; 2 hours second term. *Professor Grafstein*

Prerequisite: Physiology 22.

41. ADVANCED GENERAL PHYSIOLOGY (Full course). The action of drugs on tissues; cell structure, permeability, and ion transport; secretory mechanisms.

First term: 3 hours, 8 hours laboratory, and seminar. *Staff*

Prerequiste: Physiology 31.

42. ADVANCED MAMMALIAN PHYSIOLOGY (Full course). Circulation, respiration, properties of excitable tissues, nervous system.

Second term: 3 hours, 8 hours laboratory, and seminar. *Staff*

Prerequisite: Physiology 31.

43. PHYSIOLOGICAL INSTRUMENTATION (Full course). Theory and application of instruments used in physiological and medical research.

2 hours lecture and 3 hours laboratory. *Professor Sekelj*

Prerequisites: Physiology 31, Physics 23.

44. SELECTED TOPICS IN PHYSIOLOGY (Full course).
2 hours lecture, and experimental project. *Staff*

Prerequisite: Physiology 31.

HONOURS COURSE IN PHYSIOLOGY

Students are normally admitted to Honours at the beginning of the Third year, on the basis of high standing in Physiology 22 and the other prerequisite courses. In exceptional cases, students who have not taken Physiology 22, but have completed the other prerequisite courses, may also be admitted to Honours at the beginning of the Third year: such students will then begin their study of Physiology with Physiology 31.

First year: Physics 11, Chemistry 11, Botany 100 (a or b) and Zoology 100 (b or a).

Second year: Physiology 22, Zoology 221, Chemistry 22a and b, and either one or two of Chemistry 24, Physics 23, or Mathematics 224.

Third year: Physiology 31, Biochemistry 31, Physics 23 (if not already taken), and either one or two of Biochemistry 32, Chemistry 24, Mathematics 224, Zoology 322.

Fourth year: Physiology 41, 42, 43 and 44, and an additional course to be chosen in consultation with the Department.

JOINT HONOURS COURSE IN PHYSICS AND PHYSIOLOGY: See under Department of Physics.

PSYCHOLOGY

Professors
E. C. WEBSTER, *Chairman*
G. A. FERGUSON
D. O. HEBB

Associate Professors
DALBIR BINDRA
W. E. LAMBERT
P. M. MILNER

Assistant Professors
WOODBURN HERON
M. S. RABINOVITCH
MURIEL STERN

Research Associate
D. KIMURA

APPLIED PSYCHOLOGY CENTRE

Professor	E. C. WEBSTER, *Director*
Associate Professor	E. G. POSER
Assistant Professors	V. DOUGLAS D. SMITH
Lecturer	BLOSSOM WIGDOR

Students interested in applied psychology (industrial, clinical, vocational guidance, etc.) should note that the undergraduate curriculum is not sufficient to prepare them for professional work. They will need an Honours degree or its equivalent, followed by a year at least of graduate study. Such students should consult Dr. Webster in planning their undergraduate course.

21. INTRODUCTION TO PSYCHOLOGY. Second year. (Full course.) A biologically oriented outline of the modern approach to psychology.

2 hours and one weekly conference. *Professor Hebb and Dr. Stern*

Prerequisite to all further courses in Psychology except Course 22.

22a or b. PSYCHOLOGICAL STATISTICS. Second or Third year. (Half course.) The statistical analysis of psychological data; frequency distributions; graphic representation; measures of central tendency and variability; elementary probability theory; the normal probability curve; simple correlation methods; elementary sampling theory and tests of significance.

First and second terms: 3 hours. *Professor Ferguson*

31.T EXPERIMENTAL PSYCHOLOGY. Third or Fourth year (Full course). Introduction to laboratory instruments and procedures in which the student will investigate established phenomena of perception and learning. The student will be required to carry out an experimental project in some field of psychological investigation.

1 hour lecture, 4 hours laboratory. *Professor Lambert*

Required of all Third year Honours students; open to general students only with the instructor's consent.

32. PERCEPTION AND LEARNING. Third or Fourth year (Full course). Analysis of phenomena such as discrimination, perceptual constancy, perception of distance and movement, social perception, learning and forgetting, transfer of training, problem solving and insight; consideration of the nature of the perceptual learning, and thinking processes.

3 hours.

(*Not given in 1959-60.*)

33. DEVELOPMENTAL PSYCHOLOGY. Third year (Full course). The development of certain aspects of behaviour in animals and man with particular attention to motor and sensory development and to the evaluation of language, intelligence, emotions, and social behaviour.

3 hours. *Professor Rabinovitch*

34. MOTIVATION. Third year (Full course). Analysis of emotional and motivational activities in terms of their origin and the factors determining their occurrence; the significance of arousal, blood chemistry, and sensory cues; interpretation of behavioral disorders; effect of drugs on behaviour; relevant neurological facts and theories.

3 hours. *Professor Bindra*

35. PERSONALITY AND ITS SOCIAL CONTEXT. Third year (Full course). An introductory study of both personality and social psychology which treats the nature and development of personality and stresses its social determinants.

3 hours. *Professor Douglas*

36. THE COMPARATIVE STUDY OF BEHAVIOUR. Third or Fourth year. (Full course.) An advanced general course, primarily for the student in biology, dealing with such topics as intelligence, motivation, and social behavior in animals, from an evolutionary point of view.

3 hours. *Professor Milner*

Prerequisite: Psychology 21, and preferably a course in Zoology.

37. LABORATORY, COMPARATIVE. Third or Fourth year. (Half course.) Laboratory to accompany Course 36. 50 hours laboratory work concentrated at some time during the term, by arrangement with the instructor.

Prerequisite: Psychology 36, and consent of instructor.

(*Not given in 1959-60.*)

42. SOCIAL PSYCHOLOGY. Fourth year (Full course). An integrated study of theory of social psychology; social aspects of general psychology; nature and effects of group memberships; social attitudes and motives, their measurement and modification.

3 hours. *Professor Lambert*

43. MODERN PSYCHOLOGY IN HISTORICAL PERSPECTIVE. Fourth year (Full course). A survey course from a historical viewpoint of important and persisting problems in psychological thought, e.g. body-mind problem, physical bases of memory, scientific study and measurement of behaviour, intelligence, mental abnormality, etc. Contributions of Descartes, Fechner, Darwin, Pavlov, Freud, Watson and others are explored. Reading of original source material is required.

3 hours. *Professor Bindra*

44. EXPERIMENTAL PROBLEMS. Fourth year and graduate. (Half course.) Supervised investigation of a special field. Open to fourth year Honours students.

1½ hours in both terms. *Professor Stern*

46. PHYSIOLOGICAL PSYCHOLOGY. Fourth year (Full course). The physiological basis of perception, and the relationship between the nervous system and behaviour. The effects of modern neurophysiological concepts on psychological theory are considered.

3 hours. *Professor Milner*

47. INDUSTRIAL AND COUNSELLING PSYCHOLOGY. Fourth year (Full course). A critical survey of the applications of psychology to business, industry and human relations with particular reference to the empirical bases of personnel selection, training, and counselling.

3 hours. *Professor Smith*

48. NATURE AND MEASUREMENT OF HUMAN ABILITIES. Fourth year (Full course). An introduction to the description and theory of human ability, its correlates and the role of learning and heredity in its formation; factors producing changes in ability; sex, race and socio-economic differences. Test construction and methods of measurement, reliability, validity, item analysis, etc.

3 hours. *Professor Webster*

Prerequisite: a course in statistics.

HONOURS COURSES

Admission to Honours will normally take place at the beginning of the Third Year, and be determined by the student's standing in Psychology 21, 22a or 22b, and in related subjects. If Psychology 22a has not been taken in the Second year, this deficiency must be made up immediately.

Granting of Honours will not depend on high marks alone, nor on taking a large number of courses in psychology, but on the student's comprehension of psychological principles, knowledge of related fields, and his ability to express himself well. Honours standing will therefore be determined (a) by a comprehensive examination, (b) by a short thesis which will be judged for adequacy of presentation as well as content, and (c) by course standing.

In each of their Third and Fourth years, Honours students will normally take two and a half courses in Psychology and the balance in related fields, including Philosophy as well as the Social and Biological Sciences. For the B.Sc. student a course in Physiology is required, and the prerequisites for it should be taken in the first two years. The B.A. student may take a sequence of Social-Science courses, approved by the Department, in place of Physiology.

CONTINUATION COURSES

Second year: Psychology 21, 22a or 22b.

Third year: *B.A. students:* Psychology 32, 33, 34, 35; *B.Sc.*, Psychology 32, 34, 36, 37.

Fourth year: *B.A. students:* Psychology 42, 43, 47, 48; *B.Sc.*, 43, 46, 48.

RELIGION

MEMBERS OF THE FACULTY OF DIVINITY

COURSES OFFERED AS SUBJECTS FOR THE B.A. OR B.SC. DEGREE

RELIGION 1a—BIBLICAL LITERATURE. Third or Fourth year. (Half course.) The purpose is to give the student a critical appreciation of the literary and religious content of the Old Testament, seen in relation to the historical circumstances of its origin in the life of Israel and Judaism. In dealing with the religious context, an attempt will be made to avoid any doctrinal or authoritative interpretations.

First term: three hours. *Professor Frost*

RELIGION 1b—BIBLICAL LITERATURE. Third or Fourth year. (Half course.) An introductory study of the New Testament designed to show the historical beginnings of Christianity in terms of its early expression. The literature will be set in the social and cultural environment of the Graeco-Roman world. The variety of its authorship and composition will be studied in order to show the structure of the Synoptic Gospels, the Pauline and other Epistles, the Johannine Gospel and Epistles. An appreciation will be given of the distinctive, cultural values of the various books.

Second term: 3 hours.

RELIGION 2—THE GROWTH AND MEANING OF CHRISTIANITY. Third or Fourth year. (Full course.) The purpose of this course is to present Christianity as an influence on thought and civilization in terms of its own historical development. Beginning with the life and teaching of Jesus, the more significant stages will be studied, particularly with reference to the Graeco-Roman-Judaic world in which Christianity arose, the influence of St. Augustine, the mediaeval order of life, the rise of modern thought, and the expansion of European civilization, with a discussion of the contemporary relevance of Christian ideas to thought and action.

3 hours. *Professor Thomson*

Texts: The New Testament; R. W. Moore, The Furtherance of the Gospel; G. B. Caird, The Truth of the Gospel; Bettenson, Documents of the Christian Church.

RELIGION 3—RELIGION IN THE ORIENT. Third or Fourth year. (Full course.) An introduction to the great religions of the Orient, with special emphasis on one of them. Each year there will be in the first term, after a brief reference to the religion of pre-historic man and of modern "primitive" societies, a prefatory general survey dealing synoptically with each of the main faiths. In the second term, a fuller historical study will be made of one of the Oriental religions, its teaching, institutions, and cultural achievements, with an attempt to interpret what it means to its adherents. 3 hours. *Professor W. C. Smith*

(N.B. These classes are conducted in Divinity Hall. Students intending to take these classes should inquire at the office of the Dean, Divinity Hall, concerning arrangements.)

ROMANCE LANGUAGES

French Section

Professor	J. E. L. LAUNAY, *Chairman of the Department*
Associate Professors	HÉLÈNE LARIVIÈRE LOUIS D'HAUTESERVE MARIE-THÉRÈSE REVERCHON
Assistant Professors	YVONNE CHAMPIGNEUL ANDRÉ A. RIGAULT (on leave of absence) TADEUSZ ROMER
Lecturers	NICOLE DESCHAMPS G. D. JACKSON MAURICE RABOTIN

Italian Section

Associate Professor	ANTONIO D'ANDREA
Assistant	PAMELA STEWART

Spanish Section

Associate Professor	L. B. HARROP ROBINA E. HENRY
Assistant Professors	MONICA HARVEY G. F. STEGEN
Visiting Lecturer	MARGARITA J. GARCIA-TISSIER

FRENCH

The Department offers no beginners' courses in French, and French is the only language used in lectures, except in First year composition classes. Students with little knowledge of spoken French will find it necessary to do extra work to acquire some fluency in the language and sufficient aural comprehension. They are advised to attend a session of the French Summer School before enrolling in a regular French class. The French Summer School also offers McGill B.A. students courses which, in certain circumstances, can be counted for credit in lieu of the regular First or Second year courses offered during the winter session. For further information regarding credit courses in the French Summer School apply to the Secretary of the Department.

Both oral and written examinations are held on each year's work.

The oral examination (in both General and Honours courses) counts for 50 per cent.

Students who intend to take Honours in French in their Second year must take a course in Latin or Greek in their First year.

GENERAL COURSES—

FIRST YEAR COURSES

Students registering for First year French have a choice of two courses:

A *French 11 Advanced.*

This course is open to:

(a) students whose first language is French,

(b) those English-speaking students who have obtained at least 80% in their Junior School Certificate or High School Leaving Certificate or the equivalent diploma which secured their admission to the University.

All students who have registered for *French 11 Advanced* will undergo a test at the beginning of the term and those who do not satisfy the requirements will automatically revert to *French 13 Regular.*

B *French 13 Regular.*

This course is designed:

(a) to supplement previous training in oral-aural comprehension, grammar and vocabulary so that students can proceed to further courses with an adequate linguistic equipment.

(b) to teach the basic facts of French civilization which underlie the development of French literature and fine arts.

11. Advanced. GENERAL SURVEY OF FRENCH CIVILIZATION AND LITERATURE OF THE 18TH AND 19TH CENTURIES; French Composition (Full course).

3 hours. *Professors Champigneul, Larivière and Reverchon*

Texts: Lévèque, *Histoire de la civilisation française* (Revised edition) (Holt); Daudon, *French in Review* (Harcourt, Brace); Husson, *La cuisine des anges* (Harper); Saint-Exupéry, *Vol de Nuit* (Harper).

13. Regular. GENERAL SURVEY OF FRENCH CIVILIZATION (Geography, History, Arts, Science, Economics and Politics); Composition and Review of French Grammar.

3 hours. *Professors Champigneul, d'Hauteserve, Reverchon, Romer, Mlle. Deschamps, MM. Jackson and Rabotin*

Texts: Carlut-Brée, *France de nos jours* (Macmillan); Torrens-Sanders, *Contes de nos jours* (Copp Clark); Bond, *Hier* (Heath); Sonet-Shortliffe, *Review of Standard French* (Harcourt, Brace).

Students are required to possess a good French-English and English-French Dictionary. Harrap's *Shorter French-English and English-French Dictionary*, ed. by J. E. Mansion, M.A., is recommended.

SECOND YEAR COURSES

21. SURVEY OF FRENCH LITERATURE FROM THE MIDDLE-AGES TO THE 18TH CENTURY. French composition. (Full course.)

3 hours. *Professor Reverchon*

Prerequisite: French 11, or permission of the Chairman of the Department.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises, Vol. 1 (Moyen-Age, XVIe et XVIIe siècles)* (Hachette); Bradley-Michell, *Eight Centuries of French literature* (Appleton-Century-Crofts); Molière, *L'Avare* (Classiques France, Hachette); Racine, *Andromaque* (Classiques France, Hachette); Whitmarsh-Jukes, *Advanced French Course* (Longmans).

23. INTRODUCTION TO FRENCH LITERATURE FROM THE MIDDLE-AGES TO THE 20TH CENTURY THROUGH THE READING OF REPRESENTATIVE MAJOR WORKS. French composition. (Full course.)

3 hours. *Professors Champigneul, d'Hauteserve, and Romer; Mlle. Deschamps, MM. Jackson and Rabotin*

Prerequisite: French 13, or the equivalent.

Texts: McGill University French Staff, *Memento de littérature française; La Farce de Maitre Pathelin;* Molière, *L'Avare;* Voltaire, *Zadig* (all in Petits Classiques Larousse); Balzac, *Le Père Goriot* (ed. R. L. Sanderson, Heath); Sartre, *Les mains sales* (Livre de poche); Whitmarsh-Jukes, *Advanced French Course* (Longmans).

Readings: Molière, *Le bourgeois gentilhomme;* Flaubert, *Trois contes* (both in Petits Classiques Larousse).

THIRD YEAR COURSES

31. FRENCH LITERATURE OF THE 17TH CENTURY (Full course).

3 hours. *Professor Larivière*

Prerequisite: French 21 or 22 or 23.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises: XVIIe siècle* (Hachette); Peyre and Grant, *Seventeenth Century French Prose and Poetry* (Heath); Seronde and Peyre, *Nine Classic French Plays* (Heath).

Readings: Corneille, *Le Cid* and *Horace;* Racine, *Andromaque* and *Phèdre;* Molière, *L'Ecole des Femmes* and *Tartuffe;* Pascal, *Pensées;* Bossuet, *Oraison Funèbre d'Henriette d'Angleterre;* Mme de Sévigné, *Lettres choisies;* La Fontaine, *Fables choisies;* Mme de La Fayette, *La Princesse de Clèves.*

32. FRENCH LITERATURE OF THE 18TH CENTURY (Full course).

3 hours. *Professor Reverchon*

Prerequisite: French 21, 22 or 23.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises:* XVIIIe *Siècle* (Hachette); A. Schinz, *Eighteenth Century French Readings* (Holt); Marivaux, *Le jeu de l'amour et du hasard* (Heath); Voltaire, *Candide* (Holt); Beaumarchais, *Le Barbier de Séville* (Holt).

Readings: Lesage, *Gil Blas* (Extraits); Montesquieu, *Les Lettres persanes;* Voltaire, *Les Lettres philosophiques;* Diderot, *Le Neveu de Rameau;* Beaumarchais, *Le Mariage de Figaro;* Rousseau, *Confessions* (Extraits).

FOURTH YEAR COURSES

41. MODERN FRANCE—GEOGRAPHICAL OUTLINE—POLITICAL, SOCIAL, AND ECONOMIC ASPECTS OF FRENCH LIFE, SINCE 1870 (Full course). (*Open also to Third year students with a good command of spoken French.*)

3 hours. *Professor Launay*

As no textbooks are available for this course, an ability to take notes in French is essential.

42. LITERATURE AND SOCIAL IDEAS IN THE 19TH CENTURY (Full course).

Open to Third year students also.

3 hours. *Professor d'Hauteserve*

(*Given in 1960-61.*)

43. FRENCH LITERATURE OF THE 19TH AND 20TH CENTURIES.
3 hours. *Professor*

Prerequisite: French 31 or 32.

Texts: Penguin Book of 19th Century French verse; Musset, *Lorenzaccio* (Petits Classiques Larousse); Balzac, *Le Père Goriot* (Nelson); Flaubert, *Madame Bovary* (Garnier); Zola, *Germinal* (Livres de poche); Gide, *La Porte Etroite* (Mercure de France); Castex-Surer, *Manuel des Etudes littéraires françaises: XIXe Siècle* (Hachette).

HONOURS COURSES

22. INTRODUCTORY HONOURS COURSE. Second year (Full course).

(*a*) The French comedy as illustrated by Molière, Beaumarchais, and Musset; (*b*) Special readings in the contemporary French novel; (*c*) Free composition, written and oral, on literary subjects.

3 hours. *Mlle Deschamps*

With the consent of the Chairman of the Department this course may be taken by General students, instead of French 21.

44a. HISTORY OF THE FRENCH LANGUAGE. Third and Fourth years. To be taken in conjunction with French 44b.

Reference Books: Darmesteter, *Cours de Grammaire historique.* Parts I, II; F. Brunot, *Histoire de la langue française;* Holmes and Schutz, *A History of the French Language* (Farrar & Rinehart).

1 hour. *Professor d'Hauteserve*

44b. FRENCH STYLISTICS. Third and Fourth years (Full course). Thought and Expression—intellectual and affective elements of speech with special reference to synonymy. Social and psychological background of words and phrases. Levels of speech.

2 hours. *Professor Launay*

45. HISTORY OF THE FRENCH NOVEL. Third and Fourth years (Full course).

3 hours. *Professor Launay*

(*Given in 1960-61.*)

46. HISTORY OF THE FRENCH LYRICAL POETRY. Third and Fourth years (Full course).

3 hours. *Professor Larivière*

47. SURVEY OF CONTEMPORARY FRENCH LITERATURE. Third and Fourth years (Full course).

3 hours. *Professor Larivière*

(*Given in 1960-61.*)

48. ADVANCED PHONETICS. Third and Fourth years (Half course).

2 hours. *Professor Rigault*

(*Given in 1960-61.*)

RECOMMENDED COGNATE COURSE

50. LINGUISTICS. Open to Second and Third year students (Full course). An elementary survey of human speech, its nature, origin, structure, and classification; principles of linguistic changes, writing, and the alphabet; universal or auxiliary languages.

3 hours. *Professor C. H. Carruthers (Department of Classics)*

51. ENGLISH 370. Cross-Currents between English literature and the European literature in the 18th century.

A reading knowledge of French is a prerequisite.

3 hours. *Professor S. Klima*

HONOURS COURSES IN FRENCH

Honours in French begin in Second year. Only exceptionally will students be permitted to take Honours Courses in their Third year without having previously passed French 21 or 23, and 22.

All students taking Honours in French are required to take in their Third or Fourth years French 44a, *History of the French Language;* French 44b, *French Stylistics;* and French 48, *Advanced Phonetics.*

Prerequisite: French 11 or 13.

Second year: French 21 or 23, and 22.

Third year: Three full courses (or the equivalent) including at least one full Honours Course.

Fourth year: Three full courses (or the equivalent) including at least one full Honours Course, and courses 44a, 44b, and 48 if not previously taken.

JOINT HONOURS COURSES

B.A. students may combine Honours in French with Honours in any one of the following subjects:

English
German
Latin
Philosophy
Spanish

1. Joint Honours in English and French

See under Department of English.

2. Joint Honours in French and German

First year: French 11 or 13 (or the equivalent) — German 1 (or its equivalent) and 3 other courses

Second year: 2 French courses: 21 or 23, and 22
2 German courses chosen from 3, 4, 5
1 other approved course

Third year: 2½ French courses: 31 and 44(b) or 48 and 45 or 47
2 full German courses chosen from: 5, 6, 7, 8, 9, 10, 11

Fourth year: 2½ French courses: 43 and 44(b) or 48 and 45 or 47
2 full German courses chosen from 6, 7, 8, 9, 10, 11

3. Joint Honours in French and Latin

First year: French 11 or 13 (or the equivalent)
Latin 100 (or the equivalent)
3 other courses

Second year: 2 French courses: 21 or 23, and 22
2 Latin courses: 221 and 222
1 course chosen from: History 100
Philosophy 200
Linguistics 21

Third year: 2 French courses: 31 and 44 or 45
2 Latin courses: 331 and 332
1 course chosen from: English 335
History 320

Fourth year: 2½ French courses: 43 - 44 or 45 - 48
2 Latin courses: 441 and 442

4. Joint Honours in French and Philosophy

First year: French 11 or 13 (or its equivalent).
4 other courses including one in Latin

Second year: 2 French courses: 21 or 23, and 22
2 Philosophy courses: 200 and 300
1 course chosen from: Linguistics 21
Fine Arts 201

Third year: 2 French courses: 31 and 44 or 47
2 Philosophy courses: 350 and 360
History 320

Fourth year: 2½ French courses: 43 and 44 or 47 and 48
2 Philosophy courses: 400 and 420, or 410 and 440

5. Joint Honours in French and Spanish

First year: French 11 or 13 (or its equivalent)
Spanish 11 (or its equivalent)
3 other courses, including one in Latin

Second year: 2 French courses: 21 or 23, and 23
2 Spanish courses: 21 and 22
1 course chosen from: Linguistics 21
Philosophy 200
History 100

Third year: 2 French courses: 31 or 32 and 44 or 45 or 47
3 Spanish courses: 31, 32 or 43, 33

Fourth year: 2½ French courses: 41 or 43, 44 or 45 or 47, 48
2 Spanish courses: 41 and 42

The Joint Honours programmes are not absolutely rigid and the Language Departments concerned may require a student either to take one extra course to make up for a linguistic deficiency, or to take a more advanced course than the one scheduled for his year if his fluency in any of the foreign languages concerned is better than average.

M.A. COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

ITALIAN

Students who take Italian in order to fulfil the modern languages requirement for the B.A. degree must take Italian 11 and Italian 21 over two separate years.

Two sets of courses are offered in Italian literature:

(a) *Courses given in Italian* (Courses 31 and 41): Intended for B.A. students taking Italian as a continuation subject. Italian 11 and 21 (or their equivalent) will be prerequisite for these courses.

(b) *Courses given in English* (Courses 25a and 25b): These are open to all students, and do not require a knowledge of the Italian language.

11. FIRST YEAR (Full course). Grammar, reading, oral exercises, and composition.

3 hours. *Professor D'Andrea*

Texts: Roncari & Brighenti, *La Lingua Italiana insegnata agli stranieri* (Mondadori); Bormioli and Pellegrinetti, *Letture Italiane per Stranieri*, vol. I (Mondadori); *Pinocchio* (Heath); *Il "Piccolo Orlandi", Dizionario Italiano Inglese e Inglese Italiano* (Signorelli).

21. SECOND YEAR. (Full course.) Translation, free composition, conversation introduction to Italian literature.

3 hours. *Professor D'Andrea*

Texts: Roncari & Brighenti, *La Linqua Italiana insegnata agli stranieri* (Mondadori); Bormioli and Pellegrinetti, *Letture Italiane per Stranieri*, vol. II (Mondadori); Pirandello, *Enrico IV, Sei Personaggi in cerca di Autore* (Mondadori); *Il "Piccolo Orlandi", Dizionario Italiano Inglese e Inglese Italiano* (Signorelli).

31. THIRD YEAR—ITALIAN PROSE FROM THE ORIGINS TO OUR TIMES. (Full course.) Readings from selected Italian authors; Italian conversation, composition and elementary stylistics.

3 hours. *Professor D'Andrea*

Texts: E. Donadoni, *Breve Storia della Letteratura Italiana* (Signorelli); A. Manzoni, *I Promessi Sposi* (Sansoni); A. Fogazzaro, *Piccolo Mondo Antico* (Mondadori); G. Verga, *I Malavoglia* (Mondadori); G. Morpurgo, *Le più belle Novelle Italiane;* Migliorini & Chiappelli, *Elementi di Stilistica* (Le Monnier).

41. FOURTH YEAR—ITALIAN POETRY FROM THE ORIGINS TO OUR TIMES. (Full course.) Readings from selected Italian authors; Italian conversation, composition and stylistics.

3 hours. *Professor D'Andrea*

Texts: E. Donadoni, *Breve Storia della Letteratura Italiana* (Signorelli); *The Oxford Book of Italian Verse* (The Clarendon Press); B. Croce, *Poesia e non Poesia* (Laterza); Migliorini & Chiappelli, *Elementi di Stilistica* (Le Monnier).

25a. ITALIAN LITERATURE: DANTE AND THE MIDDLE AGES (Half course).

Lectures will be given in English. Students are not required to take language courses as prerequisites.

First term: 3 hours. *Professor D'Andrea*

Texts: The Portable Dante (The Viking Press); *The Inferno, The Purgatorio and The Paradiso* (Dent); E. H. Wilkins, *A History of Italian Literature* (Harvard University Press).

Reference: H. O. Taylor, *The Medieval Mind* (Macmillan); C. S. Lewis, *The Allegory of Love* (Oxford); B. Croce, *The Poetry of Dante* (Allen & Unwin); U. Cosmo, *A Handbook to Dante Studies* (Oxford).

25b. ITALIAN LITERATURE: THE RENAISSANCE AND MACHIAVELLI (Half course).

Lectures will be given in English. Students are not required to take language courses as prerequisites.

Second term: 3 hours. *Professor D'Andrea*

Texts: Machiavelli, *The Prince and Other Works*, trans. by A. H. Gilbert (Farrar, Straus); E. H. Wilkins, *A History of Italian Literature* (Harvard University Press).

Reference: The Renaissance Philosophy of Man (Petrarca, Valla, Ficino, Vico, Pomponazzi, Vives), edited by Cassirer, Kristeller and Randall (Univ. of Chicago Press); W. K. Ferguson, *The Renaissance in Historical Thought* (Houghton Miffin); L. Einstein, *The Italian Renaissance in England* (Columbia University Press); F. Chabod, *Machiavelli and the Renaissance* (Bowes & Bowes); M. Praz, *Machiavelli in England* (Milford).

Italian 25a and *25b* may be taken separately or in combination. If taken in combination, they offer an opportunity to study such major writers as Dante, Petrarca, Boccaccio and Machiavelli. Special emphasis will be placed on the cultural contacts of England and Italy during the Middle Ages and the Renaissance.

SPANISH

Students who take Spanish in order to fulfil the Modern Language requirement for the B.A. degree must take Spanish 11 and Spanish 21 over two separate years. By the Second year, the class is conducted mainly in Spanish. All Third and Fourth year classes are conducted entirely in Spanish. Both oral and written examinations are held on each year's work.

11. FIRST YEAR (Full course). A survey of Spanish grammar. Reading and dictation. Elementary phonetics, Composition. Readings from Spanish and Spanish American authors. Conversation.

3 hours. *Professor Henry and Staff*

Texts: Walsh, *Introductory Spanish* (Norton); Lentz, *A Spanish Vocabulary* (Blackie); Harrop, *Notes on Spanish Pronunciation;* José López Rubio, *La otra orilla* (Appleton-Century-Crofts); Timms, *Poco a poco* (University of London); Eoff and King, *Spanish American Short Stories* (Macmillan); Timms, *A First Spanish Reader for Adults* (University of London).

21. SECOND YEAR (Full course). Brief introduction to Spanish literature of the Golden Age. Spanish literature 1850-1898. Review of grammar. Free composition. Intermediate phonetics and conversation.
3 hours. *Professors Stegen and Henry*

Texts: Tarr and Centeno, *A Graded Spanish Review Grammar and Composition*, Sections I and III (Crofts); Brady and Turk, *Classical Spanish Readings* (Appleton-Century); Harrop, *Notes on Spanish Pronunciation;* Diego Marín, *La vida española* (Appleton-Century-Crofts); Pérez Galdós, *Gloria* (Appleton-Century-Crofts); José Espinosa, *Coleccion de poemas y refranes españoles* (Thrift Press).

31. THIRD YEAR (Full course). Spanish literature 1800-1898. Free and set composition. Translation. Advanced phonetics and conversation.
3 hours. *Professor Harvey*

Texts: Tarr and Centeno, *A Graded Spanish Review Grammar and Composition*, Section II (Crofts); Levy, *Present-Day Spanish* (Dryden); Harrop, *Spanish Comprehension Pieces*; Foster, *Spanish Composition* (Norton); Wilkins, *An Omnibus of Modern Spanish Prose* (Odyssey); Sánchez, *Nineteenth-Century, Spanish Verse*, Sections I, II, and III (Appleton-Century-Crofts); Alarcón, *El sombrero de tres picos* (Ginn); Palacio Valdés, *Marta y María* (Austral); *Escritores costumbristas* (Ebro); Fernán Caballero, *La gaviota* (Austral); Zorilla, *Don Juan Tenorio* (Austral); Harrop, *Notes on Spanish Pronunciation;* Harrop, *Spanish Phonetic Reader.*

32. SPANISH LITERATURE. Third year (Full course). Some representative great works from 1500 to the present day.
3 hours. *Mrs. García-Tissier and Professor Harrop*

Texts: Las mil mejores poesías de la lengua castellana Ed. Bergua, (Biblioteca de Bolsillo); Cervantes, *Don Quijote de la Mancha* (Sopena); Tirso de Molina, *El burlador de Sevilla* (Sopena); Calderón, *El alcalde de Zalamea* (Sopena); Pérez Galdós, *Doña Perfecta* (Contemporánea); Valera, *Juanita la larga* (Sopena); García Lorca, *Bodas de sangre; Libro de poemas; La casa de Bernarda Alba* (Contemporánea); Romancero (Bib. Lit. del Estudiante); Anónimo, *El Lazarillo de Tormes* (Austral); Pereda, *Sotileza* (Austral); Benavente, *Rosas de otoño* (Austral); Laforet, *Nada* (Áncora).

41. FOURTH YEAR (Full course). The Golden Age of Spanish literature. Twentieth century literature in Spain. Free composition. Practice in phonetic transcription. Conversation.
3 hours. *Mrs. García-Tissier and Professor Harrop*

Texts: Sánchez, *Nineteenth-Century Spanish Verse*, Sections IV and V (Appleton-Century-Crofts); Levy, *Present-Day Spanish* (Dryden); Harrop, *Spanish Graded Comprehension Pieces;* Calderón, *La vida es sueño* (Sopena); Lope de Vega, *Fuenteovejuna* (Sopena); Cervantes, *Don Quijote*, Ed. A. Malo (Ebro); M. de Maeztu, *Antología siglo XX* (Austral); Valle-Inclán, *Sonatas* (Austral); R. Pérez de Ayala, *Tigre Juan* (Austral); *El curandero de su honra* (Austral); R. Menéndez Pidal, *Flor nueva de romances viejos* (Austral); *La novela picaresca* (Bib. Lit. del Estudiante); García Lorca, *Yerma* (Contemporánea); Pío Baroja, *El mayorazgo de Labraz* (Austral); Cela, *La familia de Pascual Duarte* (Áncora); Harrop, *Notes on Spanish Pronunciation;* Harrop, *Spanish Phonetic Reader.*

43. SPANISH-AMERICAN LITERATURE. Fourth year (Open also to Third year students of Spanish) (Full course).

3 hours. *Mrs. García-Tissier and Professor Harrop*

Texts: Torres-Ríoseco, Antología de la literatura hispano-americana (Crofts); Güiraldes, *Don Segundo Sombra* (Contemporánea); Ciro Alegría, *El mundo es ancho y ajeno* (Crofts); Gallegos, *Doña Bárbara* (Austral); Ricardo Palma, *Tradiciones peruanas* (Austral); Walsh, *Seis relatos americanos* (Norton); Teresa de la Parra; *Ifigenia* (Ed. "Las Novedades", Caracas); Reyles, *El embrujo de Sevilla* (Austral); Jorge Isaacs, *María* (Sopena); Florencio Sánchez, *Teatro*, Vol. 1 (Sopena); *Novela de la revolución mexicana* (Biblioteca Enciclopédica Popular); *Poesía latinoamericana contemporánea* (Bib. Enc. Pop.)

HONOURS COURSES

With the consent of the Department Honours Courses may be taken by general students.

22. INTRODUCTORY HONOURS COURSE. Second year (Full course).

(a) The Spanish theatre since 1900.

(b) Readings in the contemporary Spanish novel. Modern poetry.

(c) Free composition and set translations on literary subjects.

Mrs. García-Tissier and Professor Harrop

Texts: Benavente, *La Malquerida* and *La noche del sábado* (Austral)—*La comida de las fieras* and *Al natural* (Austral); Álvarez Quintero, *Malvaloca* and *Doña Clarines* (Austral); Martínez Sierra, *Canción de cuna* (Holt); García Lorca, *La zapatera prodigiosa* (Contemporánea)—*Mariana Pineda* (Contemporánea); Casona, *Teatro* (Losada); Cano and Saenz, *Easy Spanish Plays* (Heath); Zunzunegui, *Esta oscura desbandada*

(Literaria); Galvarriato, *Cinco sombras* (Áncora); Delibes, *La sombra del ciprés es alargada* (Áncora); Arbó, *Sobre las piedras grises* (Áncora); Harrop, *Spanish Graded Comprehension Pieces.*

With the consent of the Department this course may be taken by general students instead of, or in addition to, Spanish 21.

33. SPANISH LITERATURE FROM ITS BEGINNINGS TO THE GOLDEN AGE—HISTORY OF THE SPANISH LANGUAGE. Third year (Full course). *Professor Harvey*

Texts: López Estrada, *Introducción a la literatura medieval española* (Gredos); Anón., *El poema del Cid* (Ebro); Don Juan Manuel, *El Conde Lucanor* (Ebro); Ed. by González Simón, *Poesía medieval* (B.L. del E.); G. de Berceo, *Milagros de Nuestra Señora* (Ebro); Arcipreste de Hita, *Libro de Buen Amor* (Ebro); Fernando de Rojas, *La Celestina* (Austral); Ed. by Le Strange, *Spanish Ballads* (Cambridge); Ed. by Juliá Martínez, *Piezas teatrales cortas* (B.L. de. E.); Juan de la Encina, *Plácida y Victoriano* (Ebro); Lapesa, *Historia de la lengua expañola* (Escelicer).

42. SPANISH DRAMA OF THE 19TH AND 20TH CENTURIES. Fourth year (Open also to Third year students of Spanish) (Full course).

3 hours.

Texts: Jacinto Benavente, *Los intereses creados* and *Señora ama* (Austral) and *La fuerza bruta* and *Lo cursi* (Austral); Álvarez Quintero, *Puebla de la mujeres* and *El genio alegre* (Austral); Brett, *Nineteenth Century Spanish Plays* (Appleton); García Lorca, *Doña Rosita la soltera* and *Bodas de sangre* (Contemporánea); Casona, *Nuestra Natacha* (Appleton-Century); Buero Vallejo, *En la ardiente oscuridad* (Alfil); Unamuno, *El otro* and *El hermano Juan* (Austral); Grau, *El burlador que no se burla* (Contemporánea); Martínez Sierra, *Canción de cuna, etc.* (Crisol); Ed. by Sáinz de Robles, *Teatro español, 1954-1955* (Aguilar).

JOINT HONOURS

French and Spanish: *See under Department of Romance Languages French Section*, p. 1146.

German and Spanish: *See under Department of German and Russian*, p. 1095.

Latin and Spanish: *See under Department of Classics Latin Section*, p. 1051.

SPANISH COURSES, GENERAL

Recommended Reference Books: Cuyás and Llano, *New Spanish Dictionary* (Appleton); *Pequeño Larousse Illustrado* (Larousse); Malaret, *Diccionario de americanismos* (Emecé); Díez Mateo, *Diccionario español*

etimológico del siglo XX (Academo); Navarro Tomás, *Manual de pronunciación española* (Rev. de Filología Esp.); Menéndez Pidal, *Manual de gramática histórica española* (Suárez); Ángel del Río, *Historia de la literatura española* (Dryden); Torres Ríoseco, *La literatura iberoamericana* (Ed. Emecé, B.A.); Romera-Navarro, *Historia de la literatura española* (Health); Academia Española, *Gramática de la lengua española* (Espasa-Calpe); Allison Peers, *Spain: A Companion to Spanish Studies* (Methuen); J. B. Trend, *The Civilization of Spain* (Home University); Ramsay, *A Textbook of Modern Spanish* (Holt).

SOCIOLOGY AND ANTHROPOLOGY

Associate Professor WILLIAM A. WESTLEY, *Chairman*

Assistant Professors FREDERICK ELKIN, JACOB FRIED, HOWARD ROSEBOROUGH, AILEEN D. ROSS, DAVID N. SOLOMON, TOSHIO YATSUSHIRO

Lecturer COLETTE CARISSE

Research Assistants ROSALYND BAYLIN, NELSON GRABURN

SOCIOLOGY

210. INTRODUCTION TO SOCIOLOGY. Second year. (Full course.) A general introduction to sociological theory and the analysis of groups in modern society. The course covers comparative cultures, the social development of the individual, ethnic and class groupings, characteristics of urban life, social change, and institutional structures.

3 hours.

The Introductory Course is divided into lecture sections which are essentially the same. Students will indicate on their registration forms whether they are registering for 210X or 210Y.

Either Sociology 210 or Anthropology 220 is prerequisite to all other courses in Sociology or Anthropology.

210X. INTRODUCTION TO SOCIOLOGY. *Professor Ross*

210Y. INTRODUCTION TO SOCIOLOGY. *Professor Westley*

301. ANALYSIS OF INDUSTRIAL SOCIETIES. Third year. (Full course.) Comparative treatment of the social systems of such modern industrial societies as the United States, Soviet Russia, England, Japan, and Canada. Categories of analysis include kinship, occupation, property, stratification, the organization of authority and major values.

3 hours. *Professor Roseborough*

302. MINORITY GROUPS AND THE COMMUNITY. Third year. (Full course.) The rise of modern urbanism; patterns and theories of urban growth; the participation of minority groups in urban institutions; the relation of minority groups to the class and caste structure; problems of upward and downward mobility; dominant group attitudes and ideologies concerning minority groups; the effect of minority group membership on the individual.

3 hours. *Professor Ross*

303. THE FAMILY AND SOCIALIZATION. Third year. (Full course.) The family will be studied as a primary group and as an institution. Attention will be given to trends in family organization, reactions to family crises, and the prediction of success and failure in marriage. Socialization will be studied from the perspective of social interaction. Attention will be given to theories of socialization; agencies such as the school, peer group, and mass media; and the varying patterns in social class, ethnic, and other societal sub-divisions.

3 hours. *Professors Westley and Elkin*

304. TECHNIQUES OF SOCIOLOGICAL RESEARCH. Third year. (Full course.) An introduction to the practical and theoretical problems of sociological research. Among the topics discussed are the formulation of research problems, the selection of samples, and the analysis and interpretation of data. Among the techniques are observation, interviewing, and questionnaire construction.

3 hours. *Professors Roseborough and Solomon*

360a. CRIMINOLOGY. Third or Fourth year. (Half course.) Theories of crime; social systems and their punitive practices; types of crime in modern society; the relationships between social power, the law, and crime; the slum community; the police; political crimes.

3 hours. *Professor Westley*

(*Not given in 1959-60.*)

401. MASS COMMUNICATIONS AND COLLECTIVE BEHAVIOUR. Fourth year. (Full course.) The nature of mass society; crowds, fashions, and other elementary forms of collective behaviour; social movements; social

control, content, and influence of the press, movies, television, and other media of mass communication.

3 hours. *Professor Elkin*

402. SOCIOLOGY OF WORK. Fourth year. (Full course.) Work will be considered from two points of view: (A) The professions and other specialized occupations; occupational choice and mobility; types of careers; problems of achieving conformity to occupational norms; professional and trade associations; self-involvement in an occupation. (B) Industrial and other work organizations; formal and informal organization; roles of managers, executives, technical specialists, foremen, and workers; the concept and dynamics of bureaucracy; industry and society.

3 hours. *Professor Solomon*

403. THEORIES OF SOCIAL BEHAVIOUR. Fourth year. (Full course.) The first part of the course will focus on 19th and 20th century theories of the nature of society and the relationship between society and the individual. Special attention will be devoted to the development of systematic theory in sociology. The second part of the course will focus on sociological theories of personality with particular emphasis on the function of language and communication in social development.

3 hours. *Professors Roseborough and Westley*

411b. SOCIAL STRATIFICATION. Fourth year. (Half course.) The theory of caste and class divisions in modern society; the structure of class groups in the United States and Canada; the criteria of rank and the symbols associated with rank; the relationship between occupation, education, and class position; problems of upward and downward mobility.

3 hours. *Professor Ross*

(*Not given in 1959-60.*)

440b. POPULATION AND MIGRATION. Fourth year. (Half course.) An examination of the population composition of selected societies, regions and communities. Attention is centered on techniques of population research and on the social determinants and consequences of population distribution and change.

3 hours. *Professor Roseborough*

(*Not given in 1959-60.*)

ANTHROPOLOGY

220. INTRODUCTION TO ANTHROPOLOGY. Second year. (Full course.) Historical relationship of race, language, and culture; culture history; analysis of cultural systems; culture and personality.

3 hours. *Professor Fried*

Anthropology 220 or Sociology 210 is prerequisite to all other courses in either Anthropology or Sociology.

312. SURVEY OF PRIMITIVE AND NON-WESTERN CULTURES. Third or Fourth year. (Full course.) *First Term:* Examination and comparison of primitive cultures throughout the world with particular emphasis on their technologies and values and their familial, educational, economic, religious, and political systems. *Second Term:* Intensive ethnographic study of the native Japanese, Hindu, and Chinese cultures in Asia, and the Baganda and Ashanti in Africa.

3 hours. *Professor Yatsushiro*

Texts: Service, *A Profile of Primitive Culture* (Harper); One other text to be designated.

313. HUMAN CULTURE: ITS GROWTH, SPREAD, AND CHANGE. Third or Fourth year. (Full course.) *First Term:* The nature of human culture; its evolution and diffusion from prehistoric times to the beginnings of recorded history. *Second Term:* Analysis of the process, determinants, and principles of culture change, based on an examination of selected non-Western cultures. Attention is given to the cultural reorganization resulting from social and technological innovations and from contact with Western civilization.

3 hours. *Professor Yatsushiro*

Texts: Linton, *The Tree of Culture* (Knopf); Spicer, *Human Problems in Technological Change* (Russell Sage).

325b. THE CULTURE AND SOCIAL ORGANIZATION OF FRENCH CANADA. Third or Fourth year. (Half course.) The description and analysis of the culture and social organization of French Canadians in the Province of Quebec and of French-speaking groups in North America.

3 hours.

(*Not given in 1959-60.*)

412. SOCIAL AND CULTURAL ANTHROPOLOGY. Fourth year. (Full course.) *First term:* Historical review of theories in anthropology; analysis of the social organization of non-Western peoples and cultures. *Second Term:* The patterning and integration of culture; ethos and value systems.

3 hours. *Professor Fried*

420a. CULTURE AND PERSONALITY. Third or Fourth year. (Half course.) The study of the cultural background of personality; the effects of socialization on personality formation in diverse types of cultures, primitive and modern; the relation of social structure and cultural values to personality dynamics.

3 hours. *Professor Fried*

422b. PRIMITIVE ECONOMICS. Third or Fourth year. (Half course.) Analysis of the modes of production, exchange, and consumption of selected non-Western societies; the relation of economics to other aspects of culture; the values and motives underlying economic behaviour and the economic system.

3 hours, second term. *Professor Yatsushiro*

Text: Herskovits, *Economic Anthropology: A study in Comparative Economics* (Knopf).

(*Given in 1959-60 and alternate years*).

426b. PRIMITIVE RELIGION. Third or Fourth year. (Half course.) The study of religious beliefs and practices in primitive and non-Western cultures, with special reference to the relationship of religion to economic, political, stratificational, and other aspects of cultural life. Magic, witchcraft, divination, shamanism, totemism, animism, animatism, ancestor worship, and other related topics are discussed.

3 hours, second term. *Professor Yatsushiro*

Text: Howells, *The Heathens: Primitive Man and His Religions* (Doubleday).

(*Given in 1960-61 and alternate years.*)

HONOURS SEQUENCES IN SOCIOLOGY AND ANTHROPOLOGY

Sociology and Anthropology are regarded as one discipline for the Honours degree. Students may not honour solely in Anthropology or solely in Sociology.

Admission to Honours will normally take place at the beginning of the Third year and will be determined by the student's standing in Sociology or Anthropology and related subjects. A minimum of a good second class standing in Sociology 210 or Anthropology 220 and approval of the Department is required for acceptance into Honours. Prospective Honours students are advised to take both Sociology 210 and Anthropology 220.

Honours students are required to take the following courses:

Third year:

Sociology 304 TECHNIQUES OF SOCIOLOGICAL RESEARCH

Anthropology 313 HUMAN CULTURE: ITS GROWTH, SPREAD AND CHANGE

Two other approved courses, one of which must be in Sociology or Anthropology.

Fourth year:

Sociology 403 THEORIES OF SOCIAL BEHAVIOUR
Anthropology 412 SOCIAL AND CULTURAL ANTHROPOLOGY
Two other approved courses.

JOINT HONOURS

Joint Honours with Political Science may be taken as follows:

(a) Anthropology and Political Science
Second year: Anthropology 220, Political Science 211H.

Third year: Anthropology 312, Sociology 304, Political Science 311, Political Science 323, Political Science 324a.

Fourth year: Anthropology 313, Anthropology 412, Political Science 411a, Political Science 515.

The programme may be modified in consultation with Departmental advisers.

(b) Political Science and Sociology (see page 1063).

CONTINUATION SEQUENCES IN SOCIOLOGY AND ANTHROPOLOGY

Sociology and Anthropology are regarded as separate disciplines for continuation purposes. Students may continue in either Sociology or Anthropology; they may not continue in both.

SOCIOLOGY

The following sequences are suggested for the General Arts students who have chosen Sociology for continuation:

Industrial Relations or Pre-professional: 210, 301, 402.
Community Organization: 210, 302, 401 or 402.
Social Psychology: 210, 303, 401 or 403.

ANTHROPOLOGY

The following sequences are suggested for General Arts students who have chosen Anthropology for continuation:

Culture or Institutions: 220, 313, 420a, 422b or 426b.
Ethnography: 220, 312, 412.

ZOOLOGY

Professors	JOHN STANLEY, *Chairman*
	N. J. BERRILL
Professor of Parasitology	T. W. M. CAMERON
Associate Professor	M. J. DUNBAR
Assistant Professor	JOAN MARSDEN
Lecturer	P. M. DRIVER
Carpenter Teaching Fellow	I. NIAZI

100a. & 100b. ELEMENTARY ZOOLOGY (Half course). This half course is given as two identical Sections, one in the Fall Term (Section "a"), the other in the Spring (Section "b"). The student may elect either Section. If Zoology 100a is taken, Botany 100b *must* be taken in the Spring Term of the same Session. If Zoology 100b is taken, Botany 100a *must* have been taken in the Fall Term of the same Session. A student may take only one Section of Zoology or Botany per term. A Section of Zoology and a Section of Botany must be taken in the same academic year.

Zoology 100a (or b) is an introductory course in Zoology, dealing with the anatomy, physiology, etc., of the vertebrate animals, with particular reference to the evolution of Man.

2 hours lectures and 2 hours laboratory per week in the chosen term.

Section "a" *Professor Berrill*

Section "b" *Professor Stanley*

Text: Storer and Usinger, *General Zoology* (McGraw-Hill).

Note: Zoology 100a (or b) together with Botany 100b (or a) really constitutes a course which might be called "Biology 100", and the student must take both halves of this in the one session, but in different terms. It is prerequisite to all other courses in Zoology.

211. THE INVERTEBRATE ANIMAL KINGDOM. (Full course.) A general introduction to the invertebrates, covering the structure, function, environmental relationships, economic importance and evolutionary significance of the main groups. This course is prerequisite to Zoology 324 and 325.

2 hours lecture and 3 hours laboratory. *Professor Berrill*

Prerequisite: Zoology 100a (or b) and Botany 100a (or b) or Biology 100.

221. VERTEBRATE ZOOLOGY. (Full course.) The evolutionary history of vertebrate animals, including the origin, classification, and special features of the classes of vertebrates and the comparative anatomy of the functional systems of the body. Dissection of a series of representative vertebrates with special emphasis on mammalian anatomy.

2 hours lectures and 3 hours laboratory. *Professor Marsden*

Prerequisite: Zoology 100a (or b) and Botany 100a (or b) or Biology 100.

Text: Romer, *The Vertebrate Body* (Saunders).

322. VERTEBRATE HISTOLOGY AND EMBRYOLOGY. (Full course.) A comparative study of the microscopic structure of vertebrate tissues and organs, and of embryonic development in the various classes of vertebrates.

2 hours lectures and 3 hours laboratory. *Professor Berrill*

Prerequisie : Zoology 221 (with permission may be taken concurrently).

324. ADVANCED INVERTEBRATE ZOOLOGY (EXCEPT ARTHROPODA). (Full course.) A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of invertebrate animals other than the Phylum *Arthropoda.*

2 hours lectures and 3 hours laboratory. *Professor Stanley*

Prerequisite: Zoology 211.

Texts: Borradaille, Eastham, Potts and Saunders, *The Invertebrata.* (Cambridge); Pratt, *Manual of the Common Invertebrates* (MacMillan), A laboratory manual is issued by the Department.

(*Offered in alternate years. Offered in 1959-60.*)

325. THE ARTHROPODA. (Full course.) A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of animals of the Phylum *Arthropoda.*

2 hours lecture and 3 hours laboratory. *Professor Stanley*

Prerequisite: Zoology 211.

Texts: Borradaille, Eastham, Potts and Saunders, *The Invertebrata* (Cambridge); Pratt, *Manual of the Common Invertebrates* (MacMillan). A laboratory manual is issued by the Department.

(*Offered in alternate years. Not offered in 1959-60.*)

327. ORNITHOLOGY. (Full course.)

A comprehensive study of the Class Aves, with special reference to anatomy, breeding biology, ecology, ethology, and migration. Some field work will be undertaken.

2 hours lectures and 3 hours laboratory per week. *P. M. Driver*

Prerequisite: Zoology 221.

332. ANIMAL ECOLOGY. (Full course.) A study of the inter-relations between animals, groups of animals, and their environments. The zoogeography of terrestrial, marine, and fresh-water populations; the analysis of the

physical environment in all three divisions of the biosphere; migrations, emigrations, and other movements of animals, and the numerical behaviour of populations. Ecology and evolution.

3 hours. *Professor Dunbar*

Prerequisites: Zoology 211 or 221.

337a. HISTORY OF BIOLOGY. (Half course.) The history of biology from Thales to the present day; including the development of scientific observation in anatomy, comparative morphology, ecology, embryology, and palaeontology. Theories of the relationships of animals, parts of animals, and of their evolution. Philosophical history of biology. Biological expeditions.

3 lectures per week, first term. *Professor Dunbar*

(*Offered in alternate years. Not offered in 1959-60.*)

Prerequisite: Biology 100 or Zoology 100a (or b) and Botany 100a (or b).

343. LIMNOLOGY. (Half course.) A study of the fresh water environment and its organisms. The classification of inland waters, the physical, chemical and biological characteristics of lakes. Productivity of and evolutionary changes in lakes. Rivers, bogs, special types of lakes.

First term: 1 lecture per week with seminars and field trips. Second term: 1 lecture per week with field trips when possible. *Professor Marsden*

345. PHYSIOLOGICAL ZOOLOGY. (Full course.) A functional study of diverse mechanisms which have been evolved in different types of animals to carry on such basic activities of life as nutrition, water balance, nitrogen excretion, respiration, locomotion, stimulus reception, nervous and endocrine co-ordination.

2 hours lectures and 3 hours laboratory per week throughout the session. *Professor Marsden*

Prerequisites: Zoology 211 or 221, and Physiology 22.

431. HISTOLOGICAL TECHNIQUE (PRACTICE AND THEORY). (Full course.) Training in the making of various types of histological preparations; discussion of the theories involved and interpretation of the results obtained.

1 hour lecture and 6 hours laboratory.

Prerequisite: Zoology 322a (Second class standing).

Text: Carleton & Drury, *Histological Technique* (Oxford University Press).

435. APPLIED BIOMATHEMATICS. (Half course.) An elementary study of mathematical theories of growth and form, mathematics as applied to growth of populations, host-parasite relations, radio-active tracers, the steady state, contagious distributions, the theory of search.

2 lectures per week in the first term; one per week second term.

Professor Stanley

Prerequisite: Mathematics 224 (or a good working knowledge of the calculus) and any biology course.

441. ZOOLOGICAL RESEARCH. (*Honours* Zoology only, Fourth year.) Individual training in zoological research methods, fields of research, and introduction to field and laboratory projects. Thesis and seminar presentations.

The Staff

446a. ADVANCED VERTEBRATE ZOOLOGY. (Half course.) A study of the present systematics of the vertebrate classes presented as a function of their past histories since the periods of their first apperance. The course is intended to follow upon Zoology 221.

Offered in alternate years with Zoology 337a. Offered in 1959-60.)

Three hours lecture per week, first term. *Professor Dunbar*

Prerequisite: Zoology 221.

HONOURS COURSE IN ZOOLOGY

The succession of courses taken in Honours Zoology will normally be as follows, but this procedure may be varied in special cases by permission of the Department.

First year: The general B.Sc. curriculum, with Zoology 100a (or b) and Botany 100a (or b), or Biology 100.

Second year: Zoology 211, 221, Physiology 22, plus a half course in Botany if not already taken, plus sufficient whole and half courses to make up a total of five full courses. The additional courses as above are to be selected with the advice of the Department from cognate fields or from courses in Zoology.

Third year: Zoology 322, 324 (if given in that year), 332, 337a (if given in that year), 345, plus sufficient whole and half courses to make up a total of five full courses.

Fourth year: Zoology 324 (if given in that year), 337a (if given in that year), 441 and Genetics 44, plus sufficient whole and half courses to make up a total of five full courses, selected as in the case of the Second year.

With respect to the additional selected courses, such courses as Organic Chemistry, Physical Chemistry, Botany, Genetics, Physiology, and the like are emphasized.

CONTINUATION COURSES

Second year: Zoology 211, 221.

Third year: Zoology 221, 322, 324, 325, 332, 337a, 343, 345, 446a.

Fourth year: Zoology 324, 325, 332, 337a, 343, 345, 431, 435, 446a.

Attention is called to the "General Honours in Biological Sciences" page 1026.

A student who has not completed Zoology 100a (or b) and Botany 100a (or b) or Biology 100 *must* obtain permission of the Department of Zoology before proceeding to more advanced courses in Zoology.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

McGill University

Montreal

School of Commerce

Arthur Purvis Memorial Hall

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

School of Commerce

The School of Commerce is under the administrative jurisdiction of the Faculty of Arts and Science (McGill College).

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

D. L. Thomson, M.A., Ph.D., LL.D., F.R.S.C. — *Vice Principal*

H. N. Fieldhouse, M.A., F.R.S.C. — *Dean of McGill College*

C. D. Solin, Ph.D. (Tor.), M.A. — *Assistant Dean of McGill College*

E. W. Kierans, B.A. — *Director of the School of Commerce*

John H. Holton, B.Com. (Tor.) — *Secretary of the Board of Governors*

G. A. Grimson, B.Com. — *Comptroller*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

B. COM. ADVISORY COMMITTEE

Professor E. W. Kierans, *Chairman*

The Dean
Professor K. F. Byrd
Professor W. Westley
Professor F. K. Hare
Professor H. D. Woods
Professor W. S. Reid
Professor Herbert Tate
Professor E. C. Webster
The Assistant Dean

A complete list of the teaching staff of the University, including the School of Commerce, is printed as a separate announcement, which may be obtained from the Registrar's Office.

SCHOOL OF COMMERCE OFFICE

ARTHUR PURVIS MEMORIAL HALL
1020 Pine Avenue West
Montreal 2

Telephones — VI. 9-9181

Office	— Local 450
Staff	— " 458
Accountancy	— " 445
Commerce Library	— " 452
Industrial Relations Centre	— " 294
Research	— " 258

ADVISORY COUNCIL
FOR THE
SCHOOL OF COMMERCE

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PROF. E. W. KIERANS, *Director of the School of Commerce*

DR. W. H. PUGSLEY, *Secretary*

School of Commerce

PRELIMINARY STATEMENT

The programme of the School of Commerce is designed to provide training for business and administrative careers in industry and the public service, and includes undergraduate training, graduate training, and extension activities for graduates and non-graduates. The programme is organized in several divisions, as follows:—

Bachelor of Commerce Degree—A four-year course of study designed to prepare the student for the B.Com. degree.

Evening Certificate and Diploma Courses—Training courses in Accounting, Mathematics, Commercial Law, and allied subjects to assist evening students to prepare for certificate and diploma examinations conducted by the School, and to meet the requirements of certain professional societies.

Industrial Relations Centre—A centre established for the purpose of bringing members of the University staff and of the industrial community together with a view to promoting study and research in fields associated with industrial relations.

COMMERCE LIBRARY

The Commerce Library is located in Purvis Hall and consists of over 24,882 books and periodicals and 9,829 pamphlets in the field of economics, business, industrial relations, and management. These materials are readily available on the shelves and in files in the library reading room. The facilities of the Redpath Library are also available to students.

UNDERGRADUATE PROGRAMME

The Bachelor of Commerce Degree

AIMS OF THE SCHOOL

Very few students come to University determined on a particular career. Indeed, if this were not so, the whole purpose of a University education would be defeated for it is here, in the study of the customs, traditions and cultures of other civilizations, in the analysis of ancient and modern philosophies, in the pursuit of scientific knowledge and truth that the young man obtains that broad and varied background without which he can hardly make a wise and effective choice of his life's work. Having made that choice, one can expect that the student will concentrate upon it and endeavour to build as full and rich a life as possible. We must not assume, since we are not a professional graduate school, that his future is determined and proceed to train before we educate.

The curriculum is based on compulsory courses in English, Mathematics, a language option and continuations in one or more selected Arts subjects. The purpose is, as stated above, to incorporate the essential values of the liberal tradition in the program of the Commerce student, the tradition which enables him to identify himself with the experience and thought of the past and which will guide him in the creative work of his own future.

Building upon this foundation in the basic humanities, the student undertakes a formal, rigorous program in Economics, including courses in Economic History, Principles of Economics, Money and Banking, Statistics and Applied Economic Analysis. Here the purpose is to acquaint him with the underlying and basic economic laws, principles and forces which work in and through our enterprise system and to emphasize the social obligations and public responsibilities of business leadership. Additional options in Political Science, Geography, Sociology and Psychology are also available and the student is encouraged to broaden his understanding of contemporary social and political institutions by working in these fields.

The third general area covers the Applied Economic and Commerce subjects and the student is required to take two courses in Accounting and one in Commercial Law—courses which are designed to introduce him to corporate methods, forms of organization, principles of accounts and the legal framework within which business operates. Additional courses in Accounting are available for students going into the profession and there are also options in particular aspects of business such as Marketing, Administration, etc.

There is often a misunderstanding about the nature of a School of Commerce. We are in no sense a vocational school. Vocational training does contribute to the freedom of the individual, as does all education, but we are not concerned to graduate students as qualified personnel managers, marketing specialists or professional accountants. All subjects must be, and are being, taught liberally, i.e. in such fashion as to provide a careful training of the mind and to require the student to use his intellectual faculties with skill and confidence—a disciplining which makes him aware of his mental powers, his powers of apprehension, insight, judgment and reasoning. "Men are men before they are lawyers or physicians or manufacturers; and if you make them capable and sensible men, they will make themselves capable and sensible lawyers or physicians." This statement by John Stuart Mill describes the educational philosophy of the School of Commerce.

ADMISSION TO THE SCHOOL OF COMMERCE

All applications to enter the School of Commerce must be made on forms which may be obtained from the Registrar's Office. Each applicant from a High School should see that a confidential report is sent from his school Principal to the Registrar, as such a report is necessary for the consideration of the application. Completed applications should reach the Registrar not later than August 31st, and if possible much earlier.

Each accepted candidate will receive a formal acceptance to a definite course and year and this must be kept for presentation at registration.

The number of admissions is limited and the School is not bound to accept all applicants who have passed the required examinations.

ADMISSION TO THE FIRST YEAR

A student may apply for admission to the First year of the B.Com. course after passing in specified subjects of the McGill School Certificate Examination or one of the examinations recognized by the University. For details, see the School Certificate Examinations Announcement.

ADMISSION TO THE SECOND YEAR WITH SENIOR MATRICULATION

A student may apply for admission to the Second year if he has passed in specified subjects of the Senior School Certificate Examinations, or recognized equivalent, and if he has achieved an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65% to 70% if they have obtained high standing in each of the English, History, and Mathematics examinations. For further particulars, see the School Certificate Examinations Announcement.

ADMISSION BY TRANSFER

Application for transfer into an upper year of the School should be made to the Registrar's Office. It must be made on the regular form and be supported by certified copies of the applicant's previous academic record including the matriculation record. Such an application will be considered only if the student is in good standing and has a record which justifies the transfer.

Students admitted into the Second or the Third year will be required to take certain courses compulsory in a lower year, unless exempted.

Two years of residence are required as minimum for the degree, hence students cannot be allowed to transfer into the Fourth year.

REGISTRATION

All First year students in the School of Commerce will register on Tuesday, September 15th, between 9 a.m. and 12.00 noon, in the Sir Arthur Currie Memorial Gymnasium. Students in the Second, Third, and Fourth years whose names begin with the letters A to L will register in the Gymnasium on Monday, September 21st and those whose names begin with the letters M to Z will register on Tuesday, September 22nd between 9 a.m. and 4 p.m.

The Freshman Welcome meeting will take place on Friday, September 16th in the Gymnasium at 9 a.m.

After September 22nd a special late registration fee must be paid (see the General Information Pamphlet included in this Announcement).

No student will be admitted after October 1st except by special permission of the Dean.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and at the time of registration will be required to fill out special forms for the Royal Victoria College. Women undergraduates not residing with their parents or guardians in Montreal must apply for residence in the College, attaching, if desired, a note describing in full their plans for residence elsewhere, and obtain the Warden's written approval (*See the General Information pamphlet.*).

REGISTRATION PROCEDURE

Each regular undergraduate must be registered for the courses and year to which he has been accepted. Limited undergraduates and Partials must obtain approval of their courses from the Director of the School and the Dean's office before proceeding to register.

All students intending to take an Honours Course (Economics or Political Science) must obtain the approval of the Chairman of the appropriate department and of the Director of the School before registration.

Courses of study for the B.Com. degree are laid down on pages 1212-1214 and details of these courses are found in pages 1214 to 1243. Information regarding registration for Honours, or Distinction and Great Distinction is found on pages 1210-1211.

ATTENDANCE, EXAMINATIONS, AND ADVANCEMENT

The attention of students in Commerce is called to a separate pamphlet entitled *Regulations Governing Attendance, Examinations, and Advancement*, issued by the Faculty of Arts and Science. This booklet is distributed at the time of registration. Extra copies may be obtained through the Dean's Office.

FEES

Regular University fees and special fees are explained in the General Information Pamphlet enclosed with this Announcement.

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees in the General Information Pamphlet.

DATES OF PAYMENT

Fees are due and payable at the Accounting Office between the hours of 9 a.m. and 4 p.m. (Saturday 9-12), on the following dates:—

Tuesday, September 15th
to
Wednesday, September 30th

If desired, fees may be remitted by mail before the above dates.

The second instalment of tuition fees is due and payable on January 15th. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Failure to pay fees by the prescribed dates will result in suspension from attendance at classes by the Dean of the Faculty until fees are paid, or a satisfactory arrangement is made with the Chief Accountant.

EXPENSES

An estimate of expenses will be found in the General Information Pamphlet included in this Announcement.

PASS MARK AND CLASSES

The pass mark in all examinations is 50 per cent, and the minimum marks for first and second class standing are 80 per cent and 65 per cent respectively.

DISTINCTION AND HONOURS

Distinction in the General Course will be awarded to students, other than those registered in the Honours course in Economics, who achieve a 75 per cent average in the Second, Third, and Fourth years.

Great Distinction will be awarded to students who achieve an 80 per cent average in the Second, Third, and Fourth years.

Honours in Economics and in Political Science

At the beginning of his second year a student whose average mark in his first year is 65% or more may elect Honours in Economics (or Honours in Political Science with specialization in Public Administration), provided that he obtains the permission of the Chairman of the Department of Economics and Political Science. To remain in Honours he must attain a yearly average of at least 65% in those courses he takes within the Department. Individual tutorial guidance is provided for the student in Honours during his third and fourth years.

The requirements of Honours Economics, in conjunction with the ordinary requirements of the School of Commerce, determine the following programme of studies. During the four years of his studies the student must take at least seven courses in Economics. In the first year he takes the ordinary programme of the School of Commerce, including Economics 100 (Economic History). In his second year he takes the regular courses in the School of Commerce except that he substitutes Economics 211H (Introduction to Economic Theory) for Economics 211C (Principles of Economics). In his third year he takes Economics 311 (History of Economic Thought), Economics 321H (Money and Banking), Economics 361 (Economic Statistics), a course in the Arts continuation begun in second year, and a fifth course as the School of Commerce allows. In his final year he takes Economics 411 (Advanced Economic Theory) instead of Economics 412 (Economic Analysis), any further courses in Economics to meet the overall minimum of seven, a further course in his continuation subject, a course in Commercial Law, and the balance of his programme as the School and Department allow. His choice of courses in Economics must prepare the student for the "Special Paper" described in the section on examinations that follows.

Students who wish to take Honours Political Science (with specialization in Public Administration) should consult the Department for details of course and examination requirements.

For a complete description of courses offered by the Department of Economics and Political Science, students should refer to the Arts and Science Calendar.

Final Examinations for Honours in Economics

At the end of his fourth year, the student who has elected Honours Economics writes the following examinations:

(a) *A Major paper:* This will be a two-part examination. Part I (3 hours) will be the course examination on the Major subject taken in the Fourth year, i.e. Economics 411. Part II (2 hours) will be of a more general and comprehensive character and will attempt to test the student's ability to integrate his knowledge of the Major field. It will be based, to a large extent, on the subject matter of Economics 211H and 311.

(b) *A Special paper:* This examination will cover the field chosen by the student for specialization and will be based on the sequence of courses in this field and on special reading and research. Examples of fields for specialization are Economic Theory, Labour Economics, International Trade, etc. Courses elected in the Third and Fourth year will not be approved unless their sequence prepares the student for this requirement. The "special paper" replaces the ordinary examination in the corresponding course in economics.

(c) ordinary examinations in all other courses.

The effect of this programme is that the Honours student writes the same number of papers as the general student, but that one of the papers he writes has supplementary questions, and that another replaces an ordinary course examination.

STUDENTS WORKING TOWARDS A PROFESSION

Students who intend after graduation to enter a profession should acquaint themselves with the requirements for admission to that profession, and should take these requirements into consideration when choosing their optional courses.

Candidates for the Licentiate in Accountancy of McGill University, conferring on its holders the right to become members of the Institute of Chartered Accountants of Quebec, should have their programmes approved by the Professor of Accounting or the Director of the School of Commerce.

Students who wish to enter the actuarial profession should take Mathematics 216 in their First year. The courses in Actuarial Mathematics on pages 1234-1235 offer a sound basis for professional work in this field.

THE DIPLOMA OF LICENTIATE IN ACCOUNTING OF McGILL UNIVERSITY

The holder of this Diploma is entitled to become a member of the Institute of Chartered Accountants of Quebec provided:

(i) that he has successfully completed the courses which are prescribed, for this purpose, by the School of Commerce in the University.

(ii) that he has, after graduation, completed one year of service in the office of a public accountant who is a member of the Institute.

(iii) that he has passed the prescribed Final Examination.

Graduates of the University who hold its degree of "Bachelor of Commerce" will be held to have met the first of the stipulations, above, if, in the course of the work for that degree, they have successfully completed the courses which are, at present, designated Accounting 101, 201, 301 and 401. If such candidates have (in addition to the successful completion of these four courses) successfully completed (with, at least, Second Class standing) the course at present designated Accounting 402, they will be exempt from subsequent examination in Accounting Evening Courses C461 and C462. They will, however, be required to attend, and to complete appropriate class-work in, these courses.

Note: Graduates of the University who wish to enter the profession of Accounting, but who have not followed the curriculum (as described above) for the Diploma of Licentiate in Accounting of the University, may do so by successfully completing a prescribed course of training which normally consists of three years of Evening Courses in Accounting, with at least two years of service in an approved office. Students should consult the Director of the School of Commerce and the Executive Secretary of the Institute of Chartered Accountants of the Province of Quebec, C. D. Mellor, Esq., C.A., Chartered Accountants Building, 630 Lagauchetière Street West.

CURRICULUM

The curriculum leading to a B.Com. degree consists in part of compulsory courses and in part of optional courses chosen in accordance with the student's individual interests. As optional courses a student may take any courses offered in the Faculty of Arts and Science which are approved by the Director. A student in any year is expected to satisfy himself, before he selects any optional course:

(1) That he has completed any pre-requisite work for the course,

(2) That there is no conflict in his time-table,

(3) That his selection is approved by the Director

The choice of optional courses is very important. Only one limited option is permitted in the First year. During that year the student should seek guidance from faculty members to assist him in working out for later years an integrated group of courses most suited to his interests and needs. For example, the student planning to become a Chartered Accountant should be sure that he elects the appropriate options required for this professional training. Similarly, a student interested in specialization in Industrial Relations should obtain advice on the most appropriate grouping of optional courses in Economics, Psychology, and Sociology. The high degree of flexibility provided by the optional system makes careful selection imperative.

English Composition Requirement. Every candidate for a degree in the Faculty of Arts and Science must satisfy the Department of English (which, in this matter, acts as the agent of Faculty) that he is competent in English composition. In addition to the other requirements for the degree, therefore, all students, in their first year in the Faculty, must register in English 100C. When a student has succeeded in demonstrating his competence in this course, he will be dispensed from further attendance at it.

Students whose native language is not English are also required to write a language test on the basis of which they will be assigned to English 100C or English 150 or both.

MINIMUM REQUIREMENTS FOR THE DEGREE OF BACHELOR OF COMMERCE.

	Compulsory Courses	Elective Courses
FIRST YEAR	English 100 English 100C Mathematics 111 Economic History (Economics 100) Accounting 101	One of French 11* Spanish 11 German 1 Italian 11 Latin 1 Greek 1
SECOND YEAR	Elements of Economics (Economics 211C) Accounting 201 Elementary Calculus (Mathematics 224)	One of the following: Geography 211 Political Science 211G Psychology 21 Sociology 210 AND

*See page 1226.

A continuation subject from the following:

English
French
German
History
Italian
Philosophy
Spanish

THIRD YEAR

Money and Banking (Economics 321)

A further course in the continuation subject selected in second year.

Statistics 361

Two additional courses from Section II (Continuation Subjects) or Section III (Options in Commerce and the Social Sciences).

FOURTH YEAR

Economic Analysis (Economics 412)

A further course in the continuation subject selected in Second year.

Commercial Law I

Two additional courses from Section II (Continuation Subjects) or Section III (Options in Commerce and the Social Sciences).

DESCRIPTION OF COURSES

The following list includes all required courses for the B.Com. degree, as well as the principal courses available as options from which the student may choose to complete his programme. Unlisted courses offered by the Faculty of Arts and Science may also be chosen. *The complete programme of any student must be approved by the Director.*

The list is divided as follows:

(i) Required courses for the B.Com. degree.
(ii) The principal subjects available as Arts and Science continuations.
(iii) The ten options in Commerce and the Social Sciences.

SECTION I

REQUIRED COURSES FOR THE B.COM. DEGREE

ACCOUNTING

101. ELEMENTS OF ACCOUNTING. First year (Full course). Introduction to Books of Account and Financial Statements; theory of debit and credit;

principles of double entry; the accounting cycle; recording of transactions in the general journal and general ledger; principles of control accounts; accounts receivable and accounts payable ledgers; provision for bad debts and cash discounts; use of special books of original entry including cash receipts and cash payments books, cheque register, sales and purchase journals, and voucher register; distinction between capital and revenue expenditure; accounting for petty cash; bank reconciliation statements; notes and bills of exchange; inventories; preparation of Profit and Loss Accounts or Statements and Balance Sheets, with adjusting and closing entries.

Professor A. R. Marshall

3 hours.

201. INTERMEDIATE ACCOUNTING. Second year (Full course). Revision of the work of First year at a more advanced level.

Partnerships: accounting for formation, distribution of profits; admission and withdrawal of partners including treatment of goodwill and bonus; partnership dissolution and liquidation; default of a partner; sale of a partnership to a limited company.

Manufacturing accounts and statements; the elements of cost; periodic and perpetual inventories; transfer of goods to trading department at a price in excess of factory cost, with adjustment of inventories.

Single entry: books and accounts required; preparation of financial statements from single entry data; conversion to double entry.

Corporations: legal aspects; types of shares; elementary treatment of issues of capital stock, bonds and debentures; classification of corporate surplus; dividends; correction of profits of prior periods; "clean surplus theory" and "current operating concept of income measurement."

Asset accounting with particular emphasis on cash; receivables; inventories; investments; tangible and intangible fixed assets.

Elementary consideration of financial statements; analysis and interpretation; methods of presentation; statements of source and application of funds.

Advance advice as to accounting techniques; consignment accounting; branch accounting; cost accounting; budgets.

Professors D. R. Patton and A. R. Marshal

3 hours.

(*Req. B.Com.*)

ECONOMICS

100. ECONOMIC HISTORY. First year (Full course). Evolution of economic institutions; the ancient empires; economic and social aspects of the decline and fall of the Roman Empire; mediaeval agrarian economy; fairs, towns and trading companies; mediaeval money; the voyages of

discovery; religion and the rise of capitalism; nationalism and mercantilism; the colonial system; the beginnings of modern banking; the great inventions and the factory system; North American industrial development; trade unions and the co-operative movement; legislative protection of the worker; international finance; rise and fall of the gold standard; evolution of the central banking function; recent economic changes.

3 hours. *Professor James*

211C. PRINCIPLES OF ECONOMICS. Second year (Full course). An introduction to the general principles of economics, covering monetary systems, price levels, national income, production, competition, and international trade.

3 hours. *Professor D. McC. Wright*

321. MONEY AND BANKING. Third year (Full course). Theory and practice of money and credit; organization and operations of financial institutions; monetary policy; concept and function of money; early history of credit institutions; the Peel Bank Act, and the development of the British financial system; the National Banking System in U.S. and the evolution of the Federal Reserve System; early development of Canadian banking; effects of World Wars I and II and of the Great Depression on U.S., U.K., and Canadian banking.

3 hours. *Professor E. W. Kierans*

361. ECONOMIC STATISTICS. Third year (Full course). Description of frequency distributions including averages, dispersion, and skewness. Charting and analysis of time series: trend lines, seasonal indexes, and measurement of cyclical fluctuations. Index numbers. Simple linear correlation. An introduction to Statistical Inference covering the following topics; elementary distributions, sampling, tests of statistical hypotheses, and estimation of population parameters.

2 hours lecture, 2 hours laboratory. *Professor E. F. Beach*

412. ECONOMIC ANALYSIS. Third or Fourth year (Full course). Analysis of the economic problems of the firm; the determination of the demand curve; the forecasting of demand; the measurement of costs; pricing problems in various types of markets; the determination of optimum policies for such matters as advertising, packaging, and premiums.

3 hours. *Professor D. E. Armstrong*

ENGLISH

100. ENGLISH LITERATURE (Full course). A selection of major works in the English literary tradition from medieval to modern times.

A student whose mother tongue is not English and who might, therefore, encounter unusual difficulties with English 100 may be directed by the Department to take English 150 before proceeding to English 100.

3 hours (2 lectures and 1 tutorial meeting).

Professor R. S. Walker and Members of the Department of English

100C. ENGLISH COMPOSITION. At the beginning of the session students will be required to take a test in Composition. Students who attain a high standard in the work of the class may be exempted from the final examination.

1 hour per week throughout the session.

Professor A. Lucas and Members of the Department of English

REGISTRATION IN ENGLISH 100 AND 100C: It is important to register at the start of the session. Classes missed through late registration are counted as absences; no student whose unexcused absences exceed one eighth of the number of meetings in the Course is permitted to write the final examination. Assignments unfulfilled because of late registration cannot be made up; marks obtained for assignments provide 50% of the final grade for the Course.

Those required to repeat the Course are subject to all the regulations governing First year students.

CONDITIONED STANDING: Students conditioned in English 100 and 100C need not attend classes. Special Supplemental Examinations for those in the first year of conditioned standing will be set in April and September on the 100 Course work of the previous year. If his conditioned standing is extended beyond one year, a student must write the 100 Course Examination on the work of the current year. All students of the Second and subsequent years who wish to take part in the work of the Course must register for it at the start of the session.

150. ELEMENTARY ENGLISH COMPOSITION. This course is especially designed to help students whose mother tongue is not English and who have particular difficulty in the writing of correct idiomatic English.

First year students whose mother tongue is not English, and whose proficiency in the use of English is not such, in the opinion of the Department, as to enable them to profit adequately from Course 100C, will be directed to take Course 150 before proceeding to Courses 100 and 100C. First year students not so directed, and students in other years, may, with the permission of the instructor, elect this course; but they cannot thereby gain any credit towards a degree.

2 hours per week throughout the session. *Miss Janet Jackson*

LAW

COMMERCIAL LAW 1. (Full course.) Law of Contracts, Sale, Agency, Partnership, Company Law, and Negotiable Instruments.

3 hours. *Professor R. S. Willis*

(*Req. B.Com.*)

MATHEMATICS

First year students will normally register for Mathematics 111.

Courses 113 and 216 are of a more advanced nature and concentrate on the development of facility in doing difficult and interesting problems. Students who have passed well in Intermediate Algebra and Trigonometry at Junior Matriculation should take 113 or 216 instead of 111.

111. TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Full course.)

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logatithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, with applications to compound interest, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

ANALYTIC GEOMETRY. The analytic geometry of the straight line and circle.

3 hours. *Staff of Department of Mathematics*

Text: H. Tate, *Elementary Mathematical Analysis* (Pitman).

113. ADVANCED TRIGONOMETRY AND ALGEBRA. (Full course.) Treatment of topics in trigonometry not covered for matriculation, including graphs of trigonometric functions and graphical solution of equations.

Binomial theorem, summation of series, sigma notation, mathematical induction, analytic geometry.

3 hours. *Professor Burrow*

Text: H. Tate, *Elementary Mathematical Analysis* (Pitman).

216. SURVEY OF MATHEMATICS (Full Course). Review of trigonometry, analytic geometry of the straight line and circle, mathematical induction, prime numbers, indeterminate equations, complex number, polynomials, theory of equations, probability, elementary solid geometry, polyhedra, introduction to mathematical logic and elementary set theory.

3 hours. *Professor J. Lambek*

224. ELEMENTARY CALCULUS. (Full course.) Graphical representation; limits, differentiation and integration of elementary functions, with applications to the determination of lengths, areas, and volumes and the solution of simple problems in mechanics, physics, etc.; partial differentiation.

This course is intended to give students of biochemistry, chemistry, economics, and sociology a working knowledge of the elements of calculus.

3 hours. *Professor Herbert Tate and others*

Text: H. M. Bacon, *Differential and Integral Calculus* (McGraw-Hill).

SECTION II

CONTINUATION SUBJECTS

In his Second year a Commerce student is required to select a subject from the following, English, History, Philosophy, French, German, Italian, and Spanish, and to continue his studies in this area through the Third and Fourth years. Each student's programme is subject to the approval of the Director.

ENGLISH

COURSES OPEN TO STUDENTS IN THE SECOND YEAR

Courses open to students in the Second year cannot be taken twice for credit even when their content is changed from year to year.

200. SHAKESPEARE (Full course). A survey, with special attention to ten of the plays.

3 hours. *Professor R. S. Walker*

220. ENGLISH LITERATURE IN THE EIGHTEENTH CENTURY (Full course).

3 hours. *Professor H. G. Files*

(*Not given in 1959-60.*)

230. ENGLISH LITERATURE IN THE NINETEENTH CENTURY (Full course). For Second year students only. Recommended as a suitable continuation course.

3 hours *Professor G. F. Sleigh*

240. AMERICAN LITERATURE (Full course).

3 hours. *Professor H. G. Files*

250. CREATIVE WRITING—INTERMEDIATE (Full course). A study of the elements of prose style and of various aspects of the art of fiction-writing, with practice in the writing of prose.

Hours to be arranged. *Professor Constance Beresford-Howe*

Registration is strictly limited to those who can produce evidence of special talent in original composition. Students must have the instructor's permission to take this course.

290. THE GREAT WRITINGS OF EUROPE (Full course). For 1959-60 the period studied will be from 1750 to 1850. Most of the works studied are available in translation.

3 hours. *Professor L. Dudek*

COURSES OPEN TO STUDENTS IN THE THIRD AND FOURTH YEARS

Third and Fourth year students may take any of the courses open to Second year students except English 230.

300. OLD ENGLISH (Full course). English Language and Literature up to the Norman Conquest. The course includes readings from Anglo-Saxon prose in the first term; and in the second, a study of heroic poetry. The texts used are: Bright, *Anglo-Saxon Reader* and *Beowulf* (ed. Klaeber). The course is open to Third and Fourth year students taking Honours in English or in English plus another subject. *Third and Fourth year students in other categories must have the instructor's permission to take the course.*

3 hours. *Professor Martin Puhvel*

305a. CHAUCER (Half course). A study of *The Canterbury Tales*, their sources and analogues. Robinson's test (the Student's Cambridge Edition of the Complete Works) is used.

First term: 3 hours. *Professor Joyce Hemlow*

305b. CHAUCER (Half course). A study of the dream-vision poems and of the Troilus story.

Second term: 3 hours. *Professor Joyce Hemlow*

310. MIDDLE ENGLISH (Full course). Studies in Middle English Literature (exclusive of Chaucer). The course is open to students who have taken either Old English or Chaucer.

3 hours. *Professor Martin Puhvel*

315b. NON-DRAMATIC LITERATURE OF THE FIFTEENTH AND SIXTEENTH CENTURIES (Half course). Special emphasis is given to the development of poetic techniques and the growth of humanism.

Second term: 3 hours. *Professor Joyce Hemlow*

318a. SIDNEY AND SPENSER (Half course).

First term: 3 hours. *Professor Joyce Hemlow*

318b. MILTON (Half course). A study of *Paradise Lost, Paradise Regained* and *Samson Agonistes.*
Second term: 3 hours. *Professor A. E. Malloch*

320. ENGLISH LITERATURE IN THE SEVENTEENTH CENTURY (Full course).
3 hours. *Professor A. E. Malloch*

322a. POETRY OF THE ROMANTIC PERIOD: 1780-1840 (Half course).
First term: 3 hours. *Professor A. Heuser*

322b. POETRY OF THE VICTORIAN PERIOD: 1840-1890 (Half course).
Second term: 3 hours. *Professor A. Heuser*

325. ENGLISH DRAMA FROM THE BEGINNINGS TO 1642, EXCLUDING SHAKESPEARE (Full course).
3 hours. *Professor Curtis D. Cecil*
(*Not given in 1959-60.*)

330. ENGLISH DRAMA FROM 1660 TO THE PRESENT (Full course).
3 hours. *Professor Curtis D. Cecil*

331. CONTINENTAL EUROPEAN AND AMERICAN DRAMA FROM IBSEN TO THE PRESENT (Full course).
3 hours. *Mr. Harry M. Ritchie*

335. THE ENGLISH NOVEL FROM THE BEGINNINGS TO THE PRESENT TIME (Full course). This course includes some reference to foreign work and to related literary types.
3 hours. *Professor A. Lucas*

336b. THE SHORT STORY (Half course). The history of the short story in English, with some reference to foreign work and to related literary types. Twentieth-century forms and techniques are emphasized.
Second term: 3 hours. *Professor Constance Beresford-Howe*

340. STUDIES IN LITERATURE SINCE 1900 (Full course). Contemporary authors, English and American, with special emphasis on novelists and dramatists.
3 hours. *Professor H. G. Files*

341a and b. CANADIAN LITERATURE. The development of prose literature and poetry in Canada from the beginnings to the present time.
3 hours. *Professors H. MacLennan and L. Dudek*

345. ENGLISH PROSE FROM BACON TO THE PRESENT (Full course). The purpose is to trace the development of English prose expression, to show how the powers of the language have become enlarged as writers have responded to the challenge of new ideas and new inventions in writing techniques.
3 hours. *Professor H. MacLennan*

355a. THE ART OF POETRY (Half course). A study of poetic forms and techniques. Though the course is intended for students of literature generally, the practising writer will find it useful; students are encouraged to submit work of their own for critical discussion in conference.

First term: 3 hours. *Professor L. Dudek*

365. POETRY OF THE TWENTIETH CENTURY (Full course). A survey of recent poetry by British and American authors.

3 hours. *Professor L. Dudek*

Texts: The collected poetry of W. B. Yeats, T. S. Eliot, Robert Frost, Ezra Pound, W. H. Auden, and Dylan Thomas.

370. CROSS-CURRENTS BETWEEN ENGLISH LITERATURE AND THE EUROPEAN LITERATURES IN THE 18TH CENTURY (Full course). This course deals with the influence of continental literature and criticism on the English neo-classicism of the 18th century, and with the influence of English literature and criticism on European writers from the time of Voltaire to the rise of Byronism. It includes reference to the works of French, German and Italian authors. A reading knowledge of French is a prerequisite.

3 hours. *Professor Slava Klima*

(*Not given in 1959-60.*)

375. EUROPEAN HUMANISM IN THE 20TH CENTURY (Full course). A survey of the attempts of Rilke, Thomas Mann, Gide, Conrad, Malraux and other major writers to redefine humanism for our age. The texts are available in English translation, but a reading knowledge of French or German is desirable.

3 hours. *Professor Klima*

380a. BIBLIOGRAPHY (Half course). An introduction to the apparatus and methods of scholarship in literary studies. *Open to Honours students: others must have the instructor's permission to take the course.*

Students who propose to proceed to the M.A. in English should note that this is a required course for that degree.

First term: Hours to be arranged. *Professor A. E. Malloch*

395. CREATIVE WRITING—ADVANCED COURSE (Full course). An advanced course open to a limited number of undergraduate students who appear well qualified for mature creative writing. Application for permission to take this course should be made at the beginning of the session. *Registration is limited.*

Hours to be arranged. *Professor H. G. Files*

GERMAN

1. GERMAN LANGUAGE. *Professor Bertha Meyer and Dr. V. R. Block*

2. GERMAN LANGUAGE. *Dr. V. R. Block*

3. GERMAN LANGUAGE. *Professor Bertha Meyer*

For further information and additional courses in German, see the Announcement of the Faculty of Arts and Science.

HISTORY

100. EUROPEAN CIVILIZATION SINCE THE ROMAN EMPIRE AND ITS EXPANSION OVERSEAS. *Professors C. C. Bayley, P. Zagorin and Mr. R. Vogel*

205. HISTORY OF COLONIAL EXPANSION.
Second year. *Professor J. I. Cooper*

210. HISTORY OF GREAT BRITAIN.
Second year. *Professor W. S. Reid*

215. HISTORY OF EASTERN EUROPE.
Second, Third and Fourth years. *Professor Milos Mladenovic*

305. HISTORY OF CANADA.
Third year. *Professor J. I. Cooper*

310. THE RISE OF BRITISH INDUSTRIAL DEMOCRACY SINCE 1815.
Third or Fourth year. *Mr. R. Vogel*

315a. THE SLAVS AND THE HABSBURG MONARCHY (Half course).
3 hours. *Professor Milos Mladenovic*

315b. WAR AND SOCIETY IN EASTERN EUROPE (Half course).
3 hours. *Professor Milos Mladenovic*
(*Save by special consent of the Department, this course is open only to students who have previously taken either History 215 or History 320.*)

320. THE HISTORICAL BACKGROUND OF CONTEMPORARY EUROPE.
Third and Fourth years. *Professor H. N. Fieldhouse*
(*Not given in 1959-60.*)

325. SOCIETY OF WESTERN EUROPE FROM THE RENAISSANCE TO THE EVE OF THE FRENCH REVOLUTION.
Third and Fourth years. *Professor P. Zagorin*

326. TUDOR AND STUART ENGLAND.
Third and Fourth years. *Professor P. Zagorin*

401. TECHNOLOGY AND SOCIETY IN MEDIEVAL AND MODERN EUROPE: A HISTORICAL SURVEY (Full course).

3 hours. *Professor C. C. Bayley*

415. HISTORY OF SOVIET RUSSIA (Full course).

3 hours *Professor Milos Mladenovic*

(*Save by special consent of the Department, this course is open only to students who have previously taken either History 215 or History 320.*)

421. HISTORY OF DIPLOMACY, WITH SPECIAL REFERENCE TO BRITISH FOREIGN POLICY SINCE 1815.

Third, and Fourth years. *Professor H. N. Fieldhouse*

For additional courses in History, see the Announcement of the Faculty of Arts and Science.

HISTORY AS A CONTINUATION SUBJECT

Students who wish to take History as a Continuation Subject must consult the Department as to their programme.

PHILOSOPHY

200. INTRODUCTION TO PHILOSOPHY. Second year (Full course). Special weekly conference groups will bé held under the direction of Professor McKinnon, Mr. Gombay, Mr. McCall and Mr. Ross.

An introduction to the chief problems of Philosophy in connection with their development in Greek, Mediaeval, and more especially in modern times.

Lectures and conferences: 3 hours.

Professors T. G. Henderson and J. W. Miller

300. ETHICS. Second year (Full course). The main types of ethical theory. Lectures and conferences: 3 hours. *Professor Alistair McKinnnon*

310. LOGIC AND SCIENTIFIC METHOD. (Full course.) Deductive logic: introduction to modern symbolic logic with emphasis upon applications. Inductive logic and scientific method: verification, probability, hypothesis, and related topics.

3 hours. *Professor J. W. Miller and Staff*

Prerequisite: Philosophy 200, except for Third and Fourth year students of science.

The class will be divided into two sections, designated as 310 I and 310 II.

320. AESTHETICS. (Full course.) A philosophical treatment of certain problems in the spheres of art and criticism. Among the subjects discussed will be: the nature of aesthetic experience and of the artistic object; the interpretation of a work of art; artistic form, the criteria of aesthetic value. Illustrations and examples will be drawn from a variety of different arts, including music and poetry.

3 hours. *Mr. R. S. McCall and Mr. J. D. Ross*

Prerequisite: At least one full course in Philosophy. With the consent of the lecturer, special students may be permitted to take this course without this requirement being fulfilled.

330. PHILOSOPHY OF RELIGION. (Full course.) A discussion of the main problems of the philosophy of religion as considered in the works of various philosophers.

Prerequisite: Philosophy 200.

(*Not given in 1959-1960.*)

340. PHILOSOPHY OF HISTORY. (Full course.) An examination of the nature of historical knowledge. Basic concepts and their philosophical implications. The logical and metaphysical character of modern interpretations of the meaning of history.

Prerequisite: Philosophy 200. *Professor Cecil Currie*

350. GREEK PHILOSOPHY. Third and Fourth years (Full course). The theory of knowledge and metaphysics of Plato and Aristotle.

3 hours. *Professor T. G. Henderson*

Prerequisite: Philosophy 200 or 300.

360. MODERN PHILOSOPHY. (Full course.) Main problems of modern philosophy, with special reference to the development from Descartes to the present time.

Prerequisite: Philosophy 200. *Professor Cecil Currie*

370. MEDIAEVAL AND RENAISSANCE PHILOSOPHY. (Full course.) Main problems of mediaeval philosophy in their development from St. Augustine to the Fifteenth Century.

3 hours. *Professor Raymond Klibansky*

Prerequisite: Philosophy 200 and 350; or consent of lecturer.

400. ETHICS AND PHILOSOPHY OF POLITICS. (Full course.)

3 hours. *Professors J. W. Miller and Raymond Klibansky*

Prerequisite: Philosophy 300.

410. PROBLEMS OF LOGIC, EPISTEMOLOGY, AND METAPHYSICS. (Full course.)
3 hours. *Professors Raymond Klibansky and T. G. Henderson*

Prerequisite: Philosophy 200, 310 or 350, 360.

For titles of textbooks, see Announcement of Faculty of Arts and Science.

CONTINUATION COURSES

Students interested in studying Philosophy in conjunction with other subjects are advised to take their courses in Philosophy in the sequences indicated below in connection with the other studies.

1. Philosophy with one or more studies in the social sciences, e.g., economics, history, politics, psychology, and sociology:

Philosophy 200, 300, 310, 330, 350, 370, 400.

2. Philosophy, with one or more studies in the natural sciences, e.g., biochemistry, botany, chemistry, genetics, physics, zoology:

Philosophy 200, 310, 360, 410.

3. Philosophy with studies in English or Foreign Literature:

Philosophy 200, 300, 320, 330, 350, 360, 370.

ROMANCE LANGUAGES

FRENCH

Students registering for First year French have a choice of two courses.

A. *French 11 Advanced*

This course is open to:

(a) students whose first language is French,

(b) those English-speaking students who have obtained at least 80% in their Junior School Certificate or High School Leaving Certificate or the equivalent diploma which secured their admission to the University.

All students who have registered for French 11 will undergo a test at the beginning of the term and those who do not satisfy the requirements will automatically revert to French 13 (Regular).

B. *French 13 Regular*

This course is designed (a) to supplement previous training in oral comprehension, grammar and vocabulary so that students can proceed to

further courses with an adequate linquistic equipment (b) to teach the basic facts of French civilization which underlie the development of French literature and fine arts.

11. ADVANCED. General survey of French literature of the 18th and 19th centuries; French composition. (Full course)

3 hours. *Professor Hélène Larivière and other members of the Department*

Texts: Lévèque, *Histoire de la Civilisation française* (Revised Edition) (Holt); Saint-Exupéry, *Vol de Nuit* (Harper); Husson, *La cuisine des anges* (Harper); René Daudon, *French in Review* (Harcourt, Brace and Company).

13. REGULAR (Civilization Section). General survey of French civilization (Geography, History, Arts, Science, Economics and Politics); French Composition. (Full course)

3 hours. *Professor Yvonne Champigneul and other members of the Department*

Texts: Carlut-Brée, *France de nos jours* (Macmillan); Torrens-Sanders, *Contes de nos jours* (Copp Clark); Bond, *Hier* (Heath); Sonet-Shortliffe, *Review of Standard French* (Harcourt, Brace).

Students are required to possess a good French-English and English-French Dictionary. Harrap's Shorter French-English and English-French Ed. by J. E. Mansion, M.A. is recommended.

SECOND YEAR COURSES

21. SURVEY OF FRENCH LITERATURE FROM THE MIDDLE-AGES TO THE 18TH CENTURY. French composition. (Full course)

3 hours. *Professor Reverchon*

Prerequisite: French 11, or permission of the Chairman of the Department.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises, vol. 1 (Moyen-Age, XVIe et XVIIe Siècles)* (Hachette); Bradley-Michell, *Eight Centuries of French Literature* (Appleton-Century-Crofts); Molière, *L'Avare* (Classiques France, Hachette); Racine, *Andromaque* (Classiques France, Hachette); Whitmarsh-Jukes, *Advanced French Course* (Longmans).

23. INTRODUCTION TO FRENCH LITERATURE FROM THE MIDDLE-AGES TO THE 20TH CENTURY THROUGH THE READING OF REPRESENTATIVE MAJOR WORKS; French composition. (Full course)

3 hours. *Professors Champigneul, d'Hauteserve, Rigault and Romer; MM. Jackson and Penot*

Prerequisite: French 13, or the equivalent.

Texts: McGill University French Staff, *Memento de Littérature française; La farce de Maître Pathelin;* Molière, *L'Avare;* Voltaire, *Zadig* (all in Petits Classiques Larousse); Balzac, *Le père Goriot* (Ed. R. L. Sanderson, Heath); Sartre, *Les mains sales* (Livre de poche); Whitmarsh-Jukes, *Advanced French Course* (Longmans).

Readings: Molière, *Le bourgeois gentilhomme;* Flaubert, *Trois contes* (both in Petits Classiques Larousse).

THIRD YEAR COURSES

31. FRENCH LITERATURE OF THE 17TH CENTURY. (Full course.)

3 hours. *Professor Hélène Larivière*

Prerequisite: French 21 or 23.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises: XVIIe siècle* (Hachette); Peyre and Grant, *Seventeenth Century French Prose and Poetry* (Heath); Seronde and Peyre, *Nine Classic French Plays* (Heath).

Readings: Corneille, *Le Cid* and *Horace;* Racine, *Andromaque* and *Phèdre;* Molière, *L'Ecole des Femmes* and *Tartuffe;* Pascal, *Pensées;* Bossuet, *Oraison Funèbre d'Henriette d'Angleterre;* Mme de Sévigné, *Lettres choisies;* La Fontaine, *Faibles choisies;* Mme de La Fayette, *La Princesse de Clèves.*

32. FRENCH LITERATURE OF THE 18TH CENTURY. (Full course.)

3 hours. *Professor Marie-Thérèse Reverchon*

Prerequisite: French 21 or 23.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises: XVIIIe siècle* (Hachette); A. Schinz, *Eighteenth Century French Readings* (Holt); Marivaux, *Le jeu de l'amour et du hasard* (Heath); Voltaire, *Candide* (Holt); Beaumarchais, *Le Barbier de Séville* (Holt).

Readings: Lesage, *Gil Blas* (Extraits); Montesquieu, *Les Lettres persanes;* Voltaire, *Les Lettres philosophiques;* Diderot, *Le Neveu de Rameau;* Beaumarchais, *Le Mariage de Figaro;* Rousseau, *Confessions* (Extraits).

FOURTH YEAR COURSES

41. MODERN FRANCE—GEOGRAPHICAL OUTLINE—POLITICAL, SOCIAL, AND ECONOMIC ASPECTS OF FRENCH LIFE, SINCE 1870. (Full course.) (*Open also to Third year students with a good command of spoken French.*)

Professor J. E. L. Launay

3 hours.

As no textbooks are available for this course, an ability to take notes in French is essential.

42. LITERATURE AND SOCIAL IDEAS IN THE 19TH CENTURY. (Full course.) (*Open to Third year students also.*)

Professor Louis d'Hauteserve

3 hours.

(*Given in 1960-61.*)

43. FRENCH LITERATURE OF THE 19th AND 20TH CENTURIES. (Full course.)

Professor ————

3 hours.

Prerequisite: French 31 or 32.

Texts: Penguin Book of 19th Century French Verse; Musset, *Lorenzaccio* (Petits Classiques Larousse); Balzac, *Le Père Goriot* (Nelson); Flaubert, *Madame Bovary* (Garnier); Zola, *Germinal* (Livres de poche); Gide, *La Porte Etroite* (Mercure de France); Castex-Surer, *Manuel des Etudes littéraires françaises: XIXe Siècle* (Hachette).

FRENCH CONTINUATION:

Second year: French 21 or 23.

Third year: French 31 or 32.

Fourth year: French 41, 42, or 43.

SPANISH

11. FIRST YEAR. (Full course)

Grammar, reading and dictation, oral exercises and composition.

Professor Robina E. Henry and Staff

3 hours.

21. SECOND YEAR. (Full course)

Further readings in literature, translation, free composition, conversation.

Professors R. E. Henry and G. F. Stegen

3 hours.

31. THIRD YEAR. (Full course)

Novelists of XIX Century. Advanced composition, translation, conversation.

3 hours. *Dr. Monica Harvey*

32. SPANISH LITERATURE. Third year (Full course). A "great writers" course covering the masterpieces of Spanish literature.

3 hours. *Mrs. Garcia-Tissier and Professor L. B. Harrop*

41. THE GOLDEN AGE. Fourth year (Full course).

3 hours. *Mrs. Garcia-Tissier and Professor L. B. Harrop*

43. SPANISH-AMERICAN LITERATURE. Fourth year (Full course).

3 hours. *Mrs. Garcia-Tissier and Professor L. B. Harrop*

Open to Third year students with permission of the Department.

For titles of textbooks, see Announcement of Faculty of Arts and Science.

CONTINUATION IN SPANISH:

Second year: Spanish 21.
Third year: Spanish 31.
Fourth year: Spanish 41 or 43.

ITALIAN

Two sets of courses are offered in Italian literature:

(a) *Courses given in Italian* (Courses 31 and 41): Intended for B.A. students taking Italian as a continuation subject, Italian 11 and 21 (or their equivalent) will be prerequisite for these courses.

(b) *Courses given in English* (Courses 25a and 25b): These are open to all students, and do not require a knowledge of the Italian language.

11. FIRST YEAR. (Full course.) Grammar, reading, oral exercises, and composition.

3 hours. *Professor A. D'Andrea*

Texts: Roncari-Brighenti, *La Lingua Italiana integnata agli stranieri* (Mondadori); Bormioli-Pellegrinetti, *Letture Italiane per Stranieri* (Mondadori); *Pinocchio* (Heath); *Il "Piccolo Orlandi," Dizionario Italiano Inglese e Inglese Italiano* (Signorelli).

21. SECOND YEAR. (Full course.) Translation, free composition, conversations, introduction to Italian literature.

Professor A. D'Andrea

3 hours.

Texts: Roncari-Brighenti, *La Lingua Italiana integnata agli stranieri* (Mondadori); Bormioli-Pellegrinetti, *Letture Italiane per Stranieri* (Vol. II) (Mondadori); Pirandello, *Enrico IV*, *Sei Personaggi in cerca di Autore* (Mondadori).

31. THIRD YEAR—ITALIAN PROSE FROM THE ORIGINS TO OUR TIMES. (Full course.) Readings from selected Italian authors; Italian conversation, composition and elementary stylistics.

Professor A. D'Andrea

3 hours.

Texts: E. Danadoni, *Breve Storia della Letteratura Italiana* (Signorelli); A. Manzoni, *I Promessi Sposi* (Sansoni); A. Fogazzaro, *Piccolo Mondo Antico* (Mondadori); G. Verga, *I Malavoglia* (Mondadori); G. Morpurgo, *Le più belle Novelle Italiane;* Migliorini-Chiappelli, *Elementi di Stilistica* (Le Monnier).

41. FOURTH YEAR—ITALIAN POETRY FROM THE ORIGINS TO OUR TIMES. (Full course.) Readings from selected Italian authors; Italian conversation, composition and stylistics.

Professor A. D'Andrea

3 hours.

Texts: E. Donadoni, *Breve Storia della Letterature Italiana* (Signorelli); *The Oxford Book of Italian Verse* (The Clarendon Press); B. Croce, *Poesia e non Poesia* (Laterza); Migliorini-Chiappelli, *Elementi Di Stilistica* (Le Monnier).

25a. ITALIAN LITERATURE: DANTE AND THE MIDDLE AGES. (Half course.)
Lectures will be given in English. Students are not required to take the language courses as prerequisites.

ProfessorD'Andrea

First term: 3 hours.

Texts: The Portable Dante (The Viking Press); Dante, *The Inferno, The Purgatorio and the Paradiso* (Dent); E. H. Wilkins, *A History of Italian Literature* (Harvard University Press).

Reference: H. O. Taylor, *The Medieval Mind* (Macmillan); C. S. Lewis, *The Allegory of Love* (Oxford); B. Croce, *The Poetry of Dante* (Allen & Unwin); U. Cosmo, *A Handbook to Dante Studies* (Oxford).

25b. ITALIAN LITERATURE: THE RENAISSANCE AND MACHIAVELLI. (Half course.)
Lectures will be given in English. Students are not required to take the language courses as prerequisites.

Professor D'Andrea

Second term: 3 hours.

Texts: Machiavelli, *The Prince and Other Works*, trans. by Allan H. Gilbert (Farrar, Straus); E. H. Wilkins, *A History of Italian Literature* (Harvard University Press).

Reference: The Renaissance Philosophy of Man (Petrarca, Valla, Ficino, Vico, Pomponazzi, Vives), edited by Cassirer, Kristeller and Randall (Univ. of Chicago Press); W. K. Ferguson, *The Renaissance in Historical Thought* (Houghton Mifflin); L. Einstein, *The Italian Renaissance in England* (Columbia University Press); F. Chabod, *Machiavelli and the Renaissance* (Bowes & Bowes); M. Praz, *Machiavelli in England* (Milford).

Italian 25a and 25b may be taken separately or in combination. If taken in combination, they offer an opportunity to study such major writers as Dante, Petrarca, Boccaccio and Machiavelli. Special emphasis will be placed on the cultural contacts of England and Italy during the Middle Ages and the Renaissance.

SECTION III

OPTIONS IN COMMERCE AND THE SOCIAL SCIENCES

ACCOUNTING

(Professor Kenneth F. Byrd - Adviser)

301. ACCOUNTING AND AUDITING. Third year (Full course). More advanced treatment of the work of the first two years. Consignment accounts; branch accounts; statement analysis; statements of source and application of funds; elementary treatment of amalgamations and reconstructions of limited companies. Definition of auditing; accounting and auditing distinguished; objects and advantages of different classes of audit. Detailed consideration of auditing theory; internal check and the auditor; the rights, duties, and responsibilities of auditors with reference to leading decisions in the courts; the discovery of errors and fraud; requirements under the Dominion and Quebec Companies Acts; divisible profits and dividends. Audit procedure at all stages, vouching and verification, checking the postings, auditing the final accounts; programmes and working papers, audit certificate and reports.

Reference is made throughout to bulletins of the Canadian Institute of Chartered Accountants, in relation also to those of the accountancy profession in the United States and Great Britain.

Professor D. R. Patton

401. ACCOUNTING, AUDITING AND INVESTIGATIONS. Fourth year (Full course). Revision of the work of previous years. Joint ventures. Instalment sales. Preparation of consolidated accounts of Holding and Subsidiary Companies including subsidiaries. More advanced treatment of amalgamations (consolidations) and absorptions (mergers) including inter-company holdings; accounting for capital reorganization and reconstruction. Advanced Accounting Theory in general.

Investigations: for fraud; certification of profits for prospectus purposes; sale of business by sole traders, partnerships, limited companies, with valuation of goodwill; valuation of shares; schemes of conversion to limited liability; schemes of amalgamation (consolidation) and absorption (merger); pooling schemes; schemes of reorganization and reconstruction.

Professor K. F. Byrd

402 (a) COST ACCOUNTS AND BUDGETARY CONTROL. Fourth year (Half course).

COST ACCOUNTS: Definition of cost accounting, its aims and objects; elements of cost, accounting for the purchase, storage, and issue of materials; accounting for labour; schemes of remuneration of labour including incentive schemes, co-partnership and profit-sharing; accounting for overheads, with methods of apportionment to departments and production; double entry cost accounting; job costs; process costs; estimating cost systems; standard costs and accounting for variances; closing the accounts at balance sheet date, preparation of operating statements.

BUDGETARY CONTROL: Preparation of the budget, including flexible budgets.

Professor K. F. Byrd

402 (b) INCOME TAX, BANKRUPTCY AND LIQUIDATION, EXECUTORSHIP ACCOUNTS. Fourth year (Half course).

Income Tax: Principles and legal provisions (federal) and their application to the problems of assessment of individuals, partnerships and limited companies.

Particular attention to the loss carry-back and carry-forward provisions, the treatment of capital cost allowances, the avoidance of double taxation of undistributed income, personal corporations.

Payment of tax by individuals, partnerships and limited companies.

Objections and appeals: the income tax special court and higher courts.

Bankruptcy and Liquidation: Receiver's accounts: the marshalling of assets and liabilities; the statement of affairs; the deficiency account; statement of realization and liquidation; the duties of the trustee.

Executorship Accounts: Accounting for capital and income in deceased estates; statements of charge and discharge; calculation of Canadian estate tax.

Professor K. F. Byrd

ACTUARIAL MATHEMATICS

(Professor H. Tate - Adviser)

329. THEORY OF INTEREST AND INSURANCE (Full course). Simple and compound interest, discount, annuities certain, sinking funds, bonds, mortgage amortization, depreciation. Mortality tables; Single-life annuities and assurances; premiums, reserves, dividends, basic contract provisions.

3 hours. *Dr. Ritcey*

Prerequisite: Mathematics 224.

330. FURTHER CALCULUS AND DIFFERENTIAL EQUATIONS (Full course). Hyperbolic functions, partial differentiation, infinite series, multiple integrals, differential equations. Solution of ordinary differential equations; linear differential equations, especially with constant coefficients; solution by series.

3 hours. *Professor Solin*

Prerequisite: Mathematics 224.

340. FINITE DIFFERENCES AND STATISTICS. Methods of interpolation and summation, approximate differentiation and integration, difference equations. Probability, averages, measures of dispersion, normal distributions, regression, correlation, sampling.

3 hours. *Professor Fox*

Texts: S. S. Wilks, *Elementary Statistical Analysis* (Princeton University Press); Freeman, *Mathematics for Actuarial Students* (C.U.P.).

Prerequisite: Mathematics 224 or 225.

437. ALGEBRA AND ANALYTICAL GEOMETRY (Full course). Inequalities, theory of equations, probability, determinants. The analytical geometry of the conic sections and of simple three dimensional figures.

3 hours. *Mr. Shupe*

Prerequisite: Mathematics 224.

Text: J. R. Britton and L. C. Snively, *College Algebra* (Rinehart and Co.).

443. METHODS OF NUMERICAL ANALYSIS (Full course). Approximation methods for solving algebraic and transcendental equations, solution of systems of linear equations, inversion of matrices, computation of eigen values and eigen vectors of matrices, orthogonal functions.

2 hours and laboratory. *Professor Schwerdtfeger*

Prerequisites: Mathematics 224 and 330.

450. THEORY OF LIFE CONTINGENCIES (Full course). Theory of interest. Single and Multiple Life Functions.

3 hours. *Professor* ————

Prerequisites: Mathematics 224, 330, 340 (which may be taken concurrently).

Text: C. W. Jordan, *Life Contingencies* (Society of Actuaries).

MANAGEMENT AND MARKETING

(Professor W. H. Pugsley - Adviser)

301. ELEMENTS OF MARKETING. Third year (Full course). An introductory study of the commercial distribution of goods and services. The course reviews the various methods, and forms of organization for, the marketing of industrial, consumer and agricultural goods, with consideration in particular of principles, practices, and policies concerning the product (new product introduction, brands, etc.), distribution (choice of channels, etc.), and the selling task (advertising, promotion, pricing, sales programs, etc.). The course includes an appraisal of distribution costs in general, also of trends in marketing and trends in legislation affecting marketing.

3 hours. *Professor W. H. Pugsley*

360. INTRODUCTION TO BUSINESS ADMINISTRATION. Third year (Full course). Nature, variety and scope of business; risks and the role of management; legal structure of the firm; the board of directors and trusteeship; determination of objectives and policy-making; internal organization and the delegation of authority; plant location, functional and line production; marketing objectives and channels of distribution; budgets and business finance; the role of research; coordination and control; personnel, social obligations of business and relations with government. Attention will also be given to business case material intended to help the student to develop analytical ability and decision-making skill.

3 hours. *Professor W. H. Pugsley*

460. PROBLEMS IN BUSINESS POLICY. Fourth year (Full course). Selected business case problems embracing the top management viewpoint: problems, policies, plans and personalities; sizing up situations; formulating policies and planning programs of action; organizing administrative personnel and putting plans into action; control, day-to-day administrative problems, follow-up and reappraisal. The problems are mostly as seen from the area where objectives are set for the company as a whole, and departmental policies and activities are coordinated. Emphasis is

placed on the overall point of view to bring out the importance of the firm's choice of basic objectives, and how any section or department of a business needs to be managed to make the most effective contribution to these objectives.

Prerequisite: Introduction to Business Administration 360.

3 hours. *Professor W. H. Pugsley*

FINANCE

(Professor E. W. Kierans - Adviser)

421. PUBLIC FINANCE. Third or Fourth year (Full course). A seminar course divided into three parts. 1. The theory of public finance. 2. A study of Canadian public finance at the federal, provincial and municipal levels. 3. Special problems of Canadian public finance. Emphasis will be placed on Part 3, which will include consideration of such topics as tax-rental agreements, regional redistribution of income by provincial and federal governments, the effects of the Canadian tax structure on business, and the problem of stabilizing employment in the Canadian federation.

3 hours. *Professor D. E. Armstrong*

424. INTERNATIONAL TRADE AND FINANCE. Third and Fourth year (Full course). 1. Volume and composition of international trade; international commodity markets; international money and capital markets; dynamics of trade and investment. 2. International analysis and international trade; international income flows and the mechanism of adjustment; international income flows and the level of economic activity; international trade and the international allocation of resources; the distribution of income under free and restricted trade; the gains from free and restricted trade; the international spread of income changes. 3. Ends of international economic policy; post-war recovery programmes; international monetary funds, and international monetary and exchange-rate policy; tariffs, trade agreements, and the struggle for multilateralism; the problems and possibilities of international investment; direct and portfolio; Export-Import Bank; International Bank; future of private investment and multilateral trade.

Professor J. C. Weldon

Prerequisite: Economics 321.

425. INVESTMENT ANALYSIS AND CORPORATION FINANCE. Fourth year (Full course). Part I—The nature of investment; capital markets; investment funds; classes of securities; concepts of income, risk, value and appreciation; analysis of financial statements; stock market; investment policy. Part II—Forms of business organization; growth of the corporation; the

managerial revolution; sources of funds; management of fixed and working capital; ratio analysis; expansion, reorganization and valuation.

3 hours. *Professor E. W. Kierans*

GEOGRAPHY

(Professor F. K. Hare - Adviser)

N.B. *The first digit of each course number shows the academic year for which the course is mainly designed. Students in other years may, however, register for any course provided (i) that they have the prerequisites, and (ii) that general registration requirements are fulfilled.*

211. INTRODUCTION TO HUMAN GEOGRAPHY. (Full course.) The relation of early man to the environment; the beginnings of agricultural and pastoral economies. The major physical zones of the earth, the varieties of human society typical of each, and the place of each zone in world trade and food production.

3 hours. *Mr. G. Michie*

(In Arts Division) No prerequisite.

311. NORTH AMERICA. (Full course.) Canada and the United States are divided into a small number of natural regions. In each region the physical environment as a background to man's development is first studied. Then in turn, occupation by Indian and European peoples is discussed, leading up to an examination of the present cultural landscape. The part played by the region in the life of the country and some of its problems are analysed.

3 hours. *Mr. G. Michie*

(In Arts Division) *Prerequisite:* Geography 211.

314. THE HUMID TROPICS (Full course). A comparative regional study of the humid tropical environment with special emphasis on Latin America and the Caribbean. A study of indigenous economies; expansion of mid-latitude nations and colonialism. Present day problems of overpopulation and underdevelopment. Agricultural and industrial potentialities.

Professor T. L. Hills

411. ECONOMIC GEOGRAPHY (Full course). The influence of geographical factors on economic activity. A functional appraisal of resources both industrial and agricultural; the demands made upon these resources in the past. The location of industry especially the iron and steel industry. The origins and development of modern agriculture. Crops and agricultural

practices in the major agricultural regions of the world. The role of the forests and marine resources in the subsistence economies.

3 hours. *Professor T. L. Hills*

(In Arts Division) *Prerequisite:* One of Geography 121 or 211 or Geology 121.

415. POLITICAL GEOGRAPHY (Full course). A study of geographical environments and political groups, the development of states and nations under the major headings of size, shape, situation, boundaries, and location in a world of which the locational geography is being revolutionized by air transport. The theories of Ratzel, Mackinder, Haushofer, Spykman and others are used to illustrate politico-geographic strategy. Europe and Asia are examined by regions, and as divided by ideologies and as a whole, in the wider setting of the new-power-age world of today.

3 hours. *Mr. G. Michie*

(In Arts Division) *Prerequisite:* Geography 211.

INDUSTRIAL RELATIONS

(Professor H. D. Woods - Adviser)

341. LABOUR ECONOMICS AND INSTITUTIONS. Third year (Full course). The first half of the course will deal with the origins of labour problems in modern industrial organizations, trade unions, co-operative societies, credit unions, labour political movements, labour legislation and governmental organizations in the labour field. The second half will apply economic theory to a number of the principal issues in labour relations; it will include the theory of wages and employment and the impact of unions.

3 hours. *Professor Woods*

441. INDUSTRIAL RELATIONS. Third and Fourth year (Full course). An introduction to the problems of employer-employee relations, including the management of personnel, legislation, employee organizations, and the State function and public interest in industrial relations.

3 hours. *Professor H. D. Woods*

442. COLLECTIVE BARGAINING. Fourth year (Full course). A seminar course involving an intensive study of collective bargaining institutions and techniques, grievance procedures, law and the state machinery for industrial relations. The course covers trade unionism, employers'

associations, collective agreements, negotiations, the content of such agreements, conciliation, and arbitration. Experience in other industrial countries is also examined.

Students are admitted only by permission of the instructor.

3 hours. *Professor H. D. Woods*

N.B.—Students who have taken Psychology 21 in their Second year and who are following the Industrial Relations concentration may substitute approved courses in Psychology or Sociology for Economics 412, Commercial Law or Economics 361.

PSYCHOLOGY

(Professor E. C. Webster - Adviser)

Second year

21. INTRODUCTION TO PSYCHOLOGY (Full course). A biologically oriented outline of the modern approach to psychology.

2 hours and one weekly conference.

Professors D. O. Hebb and M. Stern

Third year

35. PERSONALITY AND ITS SOCIAL CONTEXT (Full course). An introductory study of both personality and social psychology which treats the nature and development of personality and stresses its social determinants.

3 hours.

Fourth year

42. SOCIAL PSYCHOLOGY (Full course). An integrated study of theory of social psychology; social aspects of general psychology; nature and effects of group memberships; social attitudes and motives, their measurement and modification.

3 hours. *Professor W. E. Lambert*

47. INDUSTRIAL AND COUNSELLING PSYCHOLOGY (Full course). A critical survey of the applications of psychology to business, industry and human relations with particular reference to the empirical basis of personnel selection, training, and counselling.

3 hours.

Prerequisites: Two previous full courses in Psychology (It is recommended that Psychology 35 be included in these).

Students in Commerce desiring to prepare for a two year M.Sc. (Applied) degree course in personnel and industrial psychology should consult Professor Webster prior to registering in Fourth year.

PUBLIC ADMINISTRATION

(Professor J. R. Mallory - Adviser)

211G. COMPARATIVE GOVERNMENT. Second year (Full course). An Analysis of the basic concepts of Political Science, with illustrations drawn mainly from the experience of constitutional and dictatorial government as practised in certain modern states.

3 hours. *Professor K. B. Callard*

325b. THE GOVERNMENT OF THE UNITED STATES. Third or Fourth year (Half course). A study of the Constitution, the political institutions, and the working of Congressional Government in the United States.

Second term: 3 hours. *Professor K. B. Callard*

331. (Economics) ECONOMIC POLICY. Third and Fourth year (Full course). A study of governmental economic policy in its political and administrative setting. Topics to be discussed will include property and the political system, monetary-fiscal policy, commercial policy, anti-monopoly policy, agricultural policy, the independent regulatory commission, the public corporation, and economic planning. The techniques of public and legislative control over each sphere of economic policy will be examined. Close integration of the relevant subject matter in economics and political science will be attempted.

3 hours. *Professor Irving Brecher and others*

Prerequisites: Economics 211C, G, or H, and Political Science 211G or H. This course may be taken for continuation in Political Science.

335a. (Economics) MONOPOLY, COMPETITION, AND PUBLIC POLICY. Third and Fourth year (Half course). A study of the structure and performance of industrial markets, with particular emphasis on the problems of maintaining effective competition. Canadian, American and British experience will be examined. Readings will cover leading law cases, as well as relevant economic literature.

First term: 3 hours. *Professor Irving Brecher*

341. PUBLIC ADMINISTRATION. Third and Fourth year (Full course). A study of the machinery of government, with examples drawn mainly from

Canada, the United States, and the United Kingdom. The increasing size and complexity of modern government; the problem of bureaucracy; central control of policy; the civil service; other agencies of government, regulatory and commercial; the legislature and the administration; the courts and the administration; public control and accountability.

2 hours and conference. *Professor K. B. Callard*

(*Not given in 1959-60.*)

351. GOVERNMENT OF CANADA. Third and Fourth year (Full course). The working of parliamentary federalism in Canada. The problems of federal-provincial relations; the structure of parliamentary government; the evolution of national status.

3 hours. *Professor J. R. Mallory*

SOCIOLOGY AND ANTHROPOLOGY

(Professor David N. Solomon - Adviser)

210. INTRODUCTION TO SOCIOLOGY. Second year (Full course). A general introduction to sociological theory and the analysis of groups in modern society. The course covers comparative cultures, the social development of the individual, ethnic and class groupings, characteristics of urban life, social change, and institutional structures.

3 hours.

301. ANALYSIS OF INDUSTRIAL SOCIETIES. Third year (Full course). Comparative treatment of the social systems of such modern industrial societies as the United States, Soviet Russia, England, Japan, and Canada. Categories of analysis include kinship, occupation, property, stratification, the organization of authority and major values.

3 hours. *Professor Howard E. Roseborough*

302. MINORITY GROUPS AND THE COMMUNITY. Third year (Full course). The rise of modern urbanism; patterns and theories of urban growth; the participation of minority groups in urban institutions; the relation of minority groups to the class and caste structure; problems of upward and downward mobility; dominant group attitudes and ideologies concerning minority groups; the effect of minority group membership on the individual.

3 hours. *Professor Aileen D. Ross*

304. TECHNIQUES OF SOCIOLOGICAL RESEARCH. Third year (Full course). An introduction to the practical and theoretical problems of sociological research. Among the topics discussed are the formulation of research problems, the selection of samples, and the analysis and interpretation of data. Among the techniques are observation, interviewing, and questionnaire construction.

3 hours. *Professors Howard E. Roseborough and David N. Solomon*

402. SOCIOLOGY OF WORK. Fourth year (Full course). Work will be considered from two points of view: (A) The professions and other specialized occupations: occupational choice and mobility; types of careers; problems of achieving conformity to occupational norms; professional and trade associations; self-involvement in an occupation. (B) Industrial and other work organizations; formal and informal organization; roles of managers, executives, technical specialists, foremen, and workers; the concept and dynamics of bureaucracy; industry and society.

3 hours. *Professor David N. Solomon*

411b. SOCIAL STRATIFICATION. Fourth year (Half course). The theory of caste and class divisions in modern society; the structure of class groups in the United States and Canada; the criteria of rank and the symbols associated with rank; the relationship between occupation, education, and class position; problems of upward and downward mobility.

3 hours. *Professor Aileen D. Ross*

(*Not given in 1959-60.*)

440b. POPULATION AND MIGRATION. Fourth year (Half course). Populations and their composition; age, sex, and language groupings; birth rates, death rates, and population growth; the structure of the labour force, and changes therein; international migration, domestic migration, and the forceful transfer of populations; immigration policies. Major emphasis on the Canadian scene.

3 hours. *Professor Howard E. Roseborough*

(*Not given in 1959-60.*)

SCIENCE IN ECONOMIC LIFE

This course is designed to give the student an understanding of the impact that science and technology has had upon economic life and of the manner in which science and technology can be utilized to man's advantage.

SCIENCE IN ECONOMIC LIFE (Chemistry 70) — (Full course).

Some of the principal topics to be considered are the following: the special character of science, pure and applied; the general history of science and technology in Western Europe and North America; a detailed history of an applied science (chemistry) in Canada; the role of science in providing the necessities of life; future prospects for novel materials and power sources; role of research and development in commercial enterprises; patents; economic factors affecting the viability of manufacture, with particular reference to the Canadian chemical industry.

Professor Nicholls

2 hours.

Text: Selected readings.

Faculty of Engineering
including the School of Architecture
1959-1960

McGill University

Montreal

Faculty of Engineering

Including the School of Architecture

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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Faculty of Engineering

OFFICERS AND COMMITTEES

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

Donald L. Mordell, M.A. — *Dean of the Faculty*

George W. Joly, B.A., M.Eng. — *Assistant Dean of the Faculty*

John Bland, B.Arch., A.M.T.P.I., F.R.A.I.C., A.R.I.B.A. — *Director of the School of Architecture*

G. A. Grimson, B.Com. — *Comptroller*

J. H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

Richard Pennington, B.A., Lib.Dip. — *University Librarian*

E. Clifford Knowles, B.D., M.A., D.D. — *University Chaplain and Student Counsellor*

J. U. MacEwan, M.S. — *Secretary of the Faculty*

A complete list of the teaching staff of the University, including the Faculty of Engineering, is printed as a separate announcement which may be obtained from the Registrar's Office.

STANDING COMMITTEES OF THE FACULTY

ADMISSIONS

Professor Wilson (*Chairman*), the Registrar, and Professors Morrison, Rosenthall, and Collins

ADMISSION TO ADVANCED STANDING FROM OTHER UNIVERSITIES

Professors Pakalnins (*Chairman*), Joly, Pavlasek, Phillips, and Stachiewicz

CURRICULUM

Dean Mordell (*Chairman*), Professors Bland, MacEwan, Morrison, Phillips, Bruce, d'Ombrain, Craig, and Joly

EMPLOYMENT

Professors Morrison (*Chairman*), Pakalnins, and Cherna

ENGINEERING PHYSICS

Professors d'Ombrain (*Chairman*), Farnell, Tate, P. R. Wallace, and Woonton

INVIGILATION

Professors Cherna (*Chief Invigilator*), and Salman

LIBRARY

Professors Pavlasek (*Chairman*), de Stein, Howes, Craig, and Bruce

REGISTRATION

Professors Cherna (*Chairman*), Harris, Mathison, Pavlasek, and Shelstad

SCHOLARSHIPS, BURSARIES, AND LOANS

Professors Bruce (*Chairman*), de Stein (*Vice-Chairman*), Bland, Marshall, Stachiewicz, Morrison, Phillips, Rosenthall, and Yates

STANDING AND PROMOTION

Dean Mordell (*Chairman*), Professors Joly, Bland, Bruce, Craig, and MacEwan

TECHNICAL PAPER PRIZES—THIRD YEAR

Professors Schippel (*Chairman*), Mathison, Mennie, and Salman

TECHNICAL PAPER PRIZES—FOURTH AND FIFTH YEARS

Professors Neilson (*Chairman*), Edis, Farnell, Morrison, Phillips, and Yates

TIME TABLE

Professors Comsa (*Chairman*), Bland, Covo, Godard, and Douglas

Faculty of Engineering

GENERAL INFORMATION AND REGULATIONS

The purpose of the courses of instruction offered by the Faculty of Engineering is to provide training in science and its application to the practice of engineering in its various fields. The School of Architecture is a part of the Faculty of Engineering.

Commencing with the session 1949-50 the training in engineering was changed from one pre-engineering year in the Faculty of Arts and Science and four years in the Faculty of Engineering to five years in the Faculty of Engineering.

COURSES AND DEGREES

ENGINEERING

DEGREES OFFERED: Bachelor of Engineering (B.Eng.), in the departments of Chemical, Civil, Electrical, Mechanical, Metallurgical, and Mining Engineering, and in Engineering Physics, mention being made in the diplomas of the particular course of study pursued.

Students who take the Bachelor of Engineering degree in one course may graduate in another course by attending one or more subsequent sessions and passing the prescribed additional examinations.

PERIOD OF STUDY: Five years.

ENTRANCE QUALIFICATIONS: First year, Junior Matriculation; Second year, Junior and Senior Matriculation with sufficiently high standing. (See pages 1410 and 1411.) The entrance requirements for students of United States schools and for students from Great Britain are stated on page 1412. Students who meet the above requirements apply to the Registrar's Office for admission.

ARCHITECTURE

DEGREE OFFERED: Bachelor of Architecture (B.Arch.).

PERIOD OF STUDY: Six years.

ENTRANCE QUALIFICATIONS: The entrance requirements in Architecture are the same as those for the Engineering courses (see above). The length of the course is six years, the First year being identical with the First year in the Faculty of Engineering.

PRIVILEGES OF THE HOLDERS OF THESE DEGREES

Among the privileges enjoyed by graduates of the Faculty of Engineering the following may be specially mentioned:

(1) By a resolution of the Institution of Civil Engineers of Great Britain, the holders of the degree of B.Eng., who are desirous of becoming Associate Members of the Institution, may be exempted from Parts A and B of the examinations prescribed for admission to the Institution.

(2) By the Dominion Lands Surveys Act, any graduate in civil or mining engineering may have his term of apprenticeship for the Dominion Land Surveyor's certificate shortened from three years to one.

(3) Holders of the degree of B.Eng. are admitted to practise in Quebec upon graduation, provided that they register with the Corporation of Professional Engineers of Quebec upon entering the Faculty. Students entering the Faculty should therefore obtain the necessary application forms from the Dean's Office, complete them, and return them to that office.

(4) The School of Architecture is recognized by the Royal Institute of British Architects and the instruction given meets the requirements of the Board of Architectural Education of that body. Students who obtain the degree of B. Arch. are exempted from the final examination for the associateship of the Royal Institute except in the subject of professional practice, in which they are required to take a paper set by the Institute's examiners. On passing this they are eligible for candidature as "Associate R.I.B.A."

(5) The Province of Quebec Association of Architects admits holders of the degree of B.Arch. to membership, and thereby to practise in the Province, on passing an examination in professional practice and after spending one year in the office of a member of the Association.

GENERAL

The undergraduate work of the University in Architecture and in the following fields of Engineering: Chemical, Civil, Electrical, Mechanical, Metallurgical, Mining and Engineering Physics, is done in the Faculty of Engineering.

AGE OF ADMISSION

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

MEN AND WOMEN

Both men and women are admitted to the Faculty of Engineering.

THE TWO TERMS

The regular session is divided into two terms, the first starting about the 25th of September and the second starting about the 12th of January. (For Calendar, see the General Information Pamphlet.) For students entering the First year however, the first term begins two weeks earlier. Students commencing a year in the Faculty are normally permitted to enter only in the first term.

ENTRANCE REQUIREMENTS

Eligibility to enter the University through Junior or Senior Matriculation is determined fundamentally by reference to the standards maintained by the McGill School Certificate Examinations. These examinations are described in the School Certificate Examinations Announcement, but the names of the required papers are given below. The pass mark is in all cases 50%. Certain other public examinations also recognized for admission to the University are listed on page 1412. A student with incomplete qualifications cannot be admitted as a regular undergraduate.

ENTRANCE THROUGH McGILL SCHOOL CERTIFICATE EXAMINATIONS—

ENTRANCE TO THE FIRST YEAR —Junior Matriculation

For admission to the first year of the B.Eng. courses in 1959 a candidate must pass the following papers in the University's Junior School Certificate Examination, obtain an over-all average of at least 60%, and obtain at least 60% in every paper written in Mathematics, Physics, and Chemistry, or in subjects taken in lieu of the latter two.

In 1960 and following years he must pass in each paper and obtain an overall average of at least 70%.

No. of Papers	Subject
2	English
1	General History
2	French *or* German (both papers)
1	Elementary Algebra
1	Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen), *or* any two of the following papers not already chosen. (a) Intermediate Algebra (b) Trigonometry

(c) Biology *or* Botany (Biology and Botany may not both be chosen)
(d) Chemistry
(e) Geography
(f) Physics
(g) British History *or* Canadian History (both may not be chosen)
(h) Music *or* Drawing (Music and Drawing may not both be chosen)
(i) North American Literature.

ENTRANCE TO THE SECOND YEAR —Senior Matriculation

English
Mathematics (Algebra, Trigonometry, *and* Co-ordinate Geometry)
Physics
Chemistry
French *or* German* *or* Spanish *or* Greek *or* Latin *or* Biology *or* Geography *or* History.

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

McGill University recognizes a number of public examinations as conferring, under certain circumstances, Junior or Senior Matriculation standing for admission to the Faculty of Engineering and to other faculties and schools.

The Admissions Committees of the various faculties require generally that:

(1) The certificate has been obtained under no easier conditions than those of McGill Matriculation.

(2) The subjects of the examination and the school course followed are those the University requires.

(3) The school records and confidential reports are satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without first having obtained an official acceptance of their application.

The following gives a brief outline of the certificates and examinations which will be considered on their merits towards meeting the University entrance requirements. For complete details see the School Certificate Examinations Announcement.

*A candidate who has passed the two papers in Junior School Certificate French may obtain Engineering Senior Matriculation standing in German by passing the Junior School Certificate examinations in this subject.

I. FOR ADMISSION TO THE FIRST YEAR OF THE B.Eng. AND B.Arch. COURSES

CANADA

The recognized Junior Matriculation or equivalent examinations of the various provinces.

GREAT BRITAIN

In the General Certificate of Education, passes in five subjects, including Mathematics, at least one Science, and a non-English language, will be the minimum standard for admission. A pass in Religious Knowledge cannot be counted among the five.

UNITED STATES

The tests of the College Entrance Examination Board.

All candidates from the United States must write these tests, preferably at the January or the March session. The Scholastic Aptitude tests and three Achievement tests, chosen with the advice of the applicant's school principal from Intermediate Mathematics, Advanced Mathematics, Physics, and Chemistry, should be taken. Further particulars may be obtained from the Registrar's Office.

MISCELLANEOUS

Other certificates such as those issued by universities or public examining boards will be judged on their merits and accepted if they meet all the University requirements.

II. FOR ADMISSION TO THE SECOND YEAR OF THE B.Eng. AND B.Arch. COURSES

Students from B.Sc. 1 who have completed the required courses of First year Engineering will be considered for admission to Second year Engineering. Applications for admission are to be made to the Registrar's Office.

CANADA

The recognized Junior and Senior Matriculation or equivalent examinations of the various provinces.

GREAT BRITAIN

In the General Certificate of Education, passes in seven appropriate subjects including two at Advanced level. Religious Knowledge cannot be counted in the seven papers.

UNITED STATES

Completion of one year in an approved college with a suitable syllabus and good grades.

APPLICATION FOR ADMISSION

Students are normally permitted to enter at the beginning of the first term only.

Students desiring to enter the Faculty of Engineering must make application on forms which may be obtained from the Registrar's Office. Completed forms must reach the Registrar before August 31st.

It is advantageous for candidates to make preliminary application on the proper forms as early in the year as possible, supplementing this later with the required certificates, transcripts, etc., as these become available.

Applicants should note that clear photo-copies of original documents are acceptable if submitted in duplicate. Sending such copies avoids the risk of losing the originals in the mail.

Students whose native language is not English must satisfy the Registrar that their command of written and spoken English is fluent.

ADMISSION TO ADVANCED STANDING

Students of other colleges or universities who desire to enter any year in this Faculty other than the First or Second, should apply in writing to the Dean of the Faculty not later than July 31st preceding the session it is desired to enter. Such application should state the course the student wishes to enter, and must be supported by an official transcript of the applicant's record at the institution he is leaving, which transcript should be sent directly from the registrar of such institution to the Dean of this Faculty.

To obtain a Bachelor's degree a student must spend at least two years in the Faculty of Engineering.

Graduates of other faculties of McGill University desiring to proceed to the degree of B.Arch., or B.Eng. should consult the Dean of this Faculty for information regarding the regulations governing such procedure.

REGISTRATION, ATTENDANCE, AND DISCIPLINE

REGISTRATION DAYS—FIRST YEAR

Registration Day for students entering the First year of the Faculty of Engineering is Tuesday, September 15th, 1959. Registration hours are 9:00 a.m. to 12:00 noon, and 2:00 p.m. to 4:00 p.m. All registration takes place in the Macdonald Engineering Building.

After this Registration Day no students will be registered in First year Engineering until Monday, September 21st, 1959. Students registering on this second registration day must pay a late registration fee of $5.00.

Students registering in First year Engineering after Monday, September 21st, 1959, but before Thursday, October 15th, 1959 must pay a late registration fee of $10.00. After October 15th no student will be admitted except by special permission of the Faculty.

REGISTRATION DAYS—ALL STUDENTS EXCEPT FIRST YEAR

Registration Day for students entering the Second, Third, Fourth and Fifth years of Engineering and Architecture, and Sixth year Architecture is Monday, September 21st, 1959. Registration hours are 9:00 a.m. to 12:00 noon, and 2:00 p.m. to 4:00 p.m. All registration takes place in the Macdonald Engineering Building.

After this Registration Day no students will be registered in the Second, Third, Fourth, or Fifth years of Engineering and Architecture or Sixth year Architecture until Monday, September 28th, 1959. Students registering on this second registration day must pay a late registration fee of $5.00.

Students registering in the Second, Third, Fourth or Fifth years of Engineering and Architecture and Sixth year Architecture after Monday, September 28th, 1959, but before Thursday, October 15th, 1959, must pay a late registration fee of $10.00. After October 15th no student will be admitted except by special permission of the Faculty.

ATTENDANCE—FIRST YEAR

1. Students of the First year are required to attend at least seven-eighths of the total number of lectures or laboratory periods in each course. Those whose unexcused absences exceed one-eighth of the total number of lectures in a course are not permitted to sit for the regular examination in that course, and those whose unexcused absences have exceeded one-fourth must repeat the work in that course.

No student in any year will be permitted to sit for the examinations unless he has fulfilled the requirements of the course to the satisfaction of the Instructor and of the Dean.

Excuses for absences in excess of one-eighth are dealt with only by the Dean and are not entertained except in cases of serious illness (which must be vouched for by a proper medical certificate), domestic affliction, and such other cases as are provided for by special regulations of the Faculty. Medical certificates covering absences must be presented at the Dean's office by the student immediately after his return to University work. Such certificates are filed, and, if they are accepted, the Dean will give the student a statement excusing the absences covered; this must be shown to all professors concerned as promptly as possible.

2. Credit for attendance at any lecture or class may be refused on the grounds of lateness, inattention, neglect of study, or disorderly conduct in the class room or laboratory. These cases are dealt with by the Dean of the Faculty.

3. Lectures commence at five minutes after the hour, on the conclusion of the roll call. After the commencement of a lecture students are not allowed to enter, except with the permission of the professor. If permitted to enter, they report themselves at the close of the lecture and are marked "late". Two lates count as one absence. Lectures end at five minutes before the hour. In cases where it is impracticable to record late attendance, students who are not present at the commencement of the lecture are marked absent.

ATTENDANCE — UPPER YEARS

Students should realize that regular attendance at all scheduled exercises is in their best interests and should make every effort to attend regularly. To allow as much freedom as is consistent with efficient teaching, the following regulations apply:

1. Attendance is not compulsory except in the First year.

2. For other years an instructor may keep records of attendance at laboratory exercises and the like, if he so desires, and is authorized to deal with cases of unsatisfactory attendance at such exercises.

3. Students who have been absent for any reason for three or more teaching days shall report to the Dean's Office immediately upon their return to classes.

4. Lectures begin at five minutes after the hour and end at five minutes before the hour. After the beginning of a lecture students are not admitted, except by permission of the lecturer.

5. Abuse of these regulations will be dealt with as a matter of discipline by the Dean of the Faculty.

DISCIPLINE

The University regulations concerning discipline are administered by the several Faculties, subject, when necessary, to revision or confirmation by Senate.

FEES

Regular fees and special fees are given in the General Information pamphlet enclosed with this Announcement.

SPECIAL FEES IN ENGINEERING

SUMMER SCHOOLS — Students who are eligible to attend summer schools in May or September as part of their regular course pay $10 as a caution money deposit. Students taking summer schools as extra courses will pay $35, plus a caution money deposit of $10. Students in Mining Engineering pay an additional fee of $50 for the Mining Field School.

Students attending the Summer School in Mechanical Drawing for the first time to make up a deficiency will pay $10.00; for those attending as a supplemental the fee will be $20.00.

DATES FOR PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. (Saturday 9 a.m. to 11 a.m.) from Tuesday, September 15th to Tuesday, October 6th, inclusive.

If desired, fees may be remitted by mail before the above dates, with Fee Coupon attached. The second instalment of tuition fees is due and payable by January 15th. An additional $2 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees, the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or satisfactory arrangements are made with the Chief Accountant.

SCHOLARSHIPS, BURSARIES, PRIZES, MEDALS, AND LOAN FUNDS

Details of scholarships, bursaries, and loan funds will be found in the Scholarships, Bursaries, and Loan Funds Announcement which may be obtained from the Registrar's Office.

HEALTH SERVICE

The attention of students is especially directed to the heavy fines which are automatically levied if health examinations are not arranged for and completed.

Information concerning the University Health Service will be found in the General Information pamphlet enclosed with this Announcement.

Those engaged in certain branches of mining and metallurgical work are subject by provincial authorities and mining companies to regulations regarding physical fitness, with particular reference to chest conditions and sight. Students registering for courses in Mining or Metallurgical Engineering are therefore required to undergo a special medical examination to determine their fitness. Convenient arrangements are made through the University Medical Officer for such examinations. While assisting students to determine their degree of fitness, the University assumes no responsibility for decisions made by those administering the regulations referred to above.

EXAMINATIONS

See also Regulations concerning Standing and Promotion, page 1509.

1. Final examinations are normally held in all lecture subjects. The pass mark is 50 per cent. Class examinations for which credit is given in sessional standing are held at the option of the instructor or at the request of the Faculty.

2. Supplemental examinations are held in August-September which only those students may write who have a standing PASSED INCOMPLETE (See Regulations concerning Standing and Promotion, page 1509). The pass mark is 50 per cent.

3. The pass standard in examinations which a candidate has already had two opportunities to write is 60 percent.

4. Special supplemental examinations are not held.

5. Failures in laboratory subjects may under certain conditions be made good by attending special classes during the late afternoons of the first two months of the following session. No student is permitted to attend these schools unless he has made at least 30 per cent in the subject of the school. These classes must be completed and the results reported to Faculty on or before December 1st. A summer school in mechanical drawing for students who are deficient or conditioned in Courses 521 or 541 will be held during September. The fee for this school is $20.

7. Classes of academic standing:

Class I	80-100 per cent
Class II	65-79 per cent
Class III	50-64 per cent

WITHDRAWALS FOR LOW STANDING

Any undergraduate student of the first three years who at the end of the first term has failed to obtain an average of 33 per cent of the weighted value of the examinations regularly scheduled in November and January on the work of that term, may be required to withdraw from the Faculty.

SOCIETIES

1. Upon entrance into the Faculty, all undergraduate students automatically become members of the Engineering Undergraduates Society.

2. The students also support the Society of the Phi Epsilon Alpha. The members of this society are selected from graduates and undergraduates in engineering, and its object is to encourage high standards of character and scholarship.

3. Students in all departments of engineering are strongly recommended to become student members of the Engineering Institute of Canada, for which a fee of $3 is required. They are then entitled to the Journal of the Institute, to the use of the Institute's building, 2050 Mansfield Street, Montreal 2, and to attend the weekly meetings. Students are invited to compete for the prizes which are offered by the Institute.

4. Students in Mining Engineering and in Metallurgical Engineering are strongly recommended to become members of the McGill Mining and Metallurgical Society, which, although a student body, is affiliated with the Canadian Institute of Mining and Metallurgy, the headquarters of which are in the Drummond Building, 1117 St. Catherine St. W., Montreal 2. Members of this Society receive the Monthly Bulletin of the Transactions of the Institute free, and are entitled to attend meetings and to compete for prizes offered.

5. Students in Architecture are recommended to become student members of the Province of Quebec Association of Architects, for which a fee of $1.00 is required. They are then entitled to use the library of the Association, 620 Cathcart Street, Montreal 2.

6. Students in Electrical Engineering are strongly recommended to become Student Members of either the Institute of Radio Engineers or the American Institute of Electrical Engineers. Both of these societies have Montreal sections which hold regular meetings at which the speakers are prominent engineers from all over the continent. Student Members receive notices of meetings, and the monthly publication of either society.

7. Students in Mechanical Engineering may become Student Members of either the Society of Automotive Engineers or the Canadian Aeronautical Institute if they wish. Both of these societies have Montreal branches which hold regular meetings.

Courses of Instruction

Instruction in this Faculty is designed to afford thorough training of a practical as well as theoretical nature in the following branches:

I—Architecture
II—Chemical Engineering
III—Civil Engineering
IV—Electrical Engineering
V—Mechanical Engineering
VI—Metallurgical Engineering
VII—Mining Engineering
VIII—Engineering Physics

A note concerning graduate courses follows the list of undergraduate courses in each department. Details are given in the Announcement of the Faculty of Graduate Studies and Research.

CURRICULUM

The curriculum as laid down in the following pages may be changed from time to time, as deemed advisable by Faculty, and is in no case binding beyond the session covered by this Announcement.

The course for a degree in any branch of Engineering is one of five years, and for a degree in Architecture the course is a six-year one.

The degree in Engineering will not be conferred upon any candidate until he has passed the prescribed examinations of his course, and has submitted satisfactory evidence to Faculty of having had a minimum of six months of experience in practical engineering work. Similar regulations apply to the degree in Architecture. See page 1449. Forms for reporting employment, which must be signed by the employer, are available from the Dean's Office. To report employment for the summer of 1959 they must be returned to the Dean's Office not later than 12 noon, October 24th, 1959.

The first three years of the Engineering courses are devoted largely to Mathematics, Mechanics, Physics, Chemistry, and Drawing, as it is necessary that students in these courses should master the general principles underlying scientific work before commencing professional subjects.

In certain courses, students are required to attend summer schools, following the completion of the work of the session in the Second, Third and Fourth years: for details, see page 1447.

ENGINEERING COURSES

The following schedules set out the various courses as it is expected they will be given during the session to which this Announcement applies, but the Faculty of Engineering reserves its right to alter them if it deems desirable. Notice of such alteration is posted for the information of students.

Engineering and Architecture

FIRST YEAR

NORMAL COURSE

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
*Engineering Drawing I	511	50	..	..	3	3
Chemistry	902	200	3	3	3	3
English Literature	1000	150	3	3	..	..
English Composition	1001	50	1	1	..	..
Analytic Geometry	1203	200	3	3	..	..
Engineering Problems	1204	..	..	..	2	2
Physics	1311	200	3	3	2	2
Optional Course (select one from list below)	14	150	..	..	..	..
Concepts of Engineering	1500	..	1	1	..	..
Total	...	1000	14 plus option	14 plus option	10 plus option	10 plus option

* A deficiency or condition in Course 511 may be cleared only by attending a special school held during September.

The Normal Course is the one in which appplicants who have matriculated from Canadian high schools will usually be registered. It assumes that the applicant has completed Trigonometry and Intermediate Algebra.

Students entering First year Engineering who have passed their Junior Matriculation examinations with a very high standing and who wish to register for one additional subject must make application to do so at the time of applying for admission to the Faculty.

FIRST YEAR

SPECIAL COURSE

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc hours per week.	
			First term	Second term	First term	Second term
Engineering Drawing I	511	50	..	..	3	3
Chemistry	902	200	3	3	3	3
*English Literature	1000	150	3	3	..	..
*English Composition	1001	50	1	1	..	..
*English (Elementary)	1002	200	2	2	..	..
Trigonometry	1200	100	3	..	..	..
Algebra and Anal. Geometry	1201	100	..	3	..	..
Engineering Problems	1202	...	..	..	2	2
Physics	1311	200	3	3	2	2
Optional Course (select one from list below)	14	150	..	..	..	..
Concepts of Engineering	1500	...	1	1	..	..
Total	...	1000	16 plus option	16 plus option	10 plus option	10 plus option

*English 1000 and 1001 are the courses First year Students are expected to follow. In special cases of grave difficulty during the session 1959-60, the Department of English may, at its discretion, permit a student to substitute English 1002 for English 1000 and 1001. Commencing with the Session 1960-61 Course 1002 will not be offered and no applicant will be accepted into the First year unless his proficiency in the use of English is sufficient to permit him to follow Courses 1000 and 1001.

The Special Course is the one in which applicants will be registered whose previous work in Mathematics or English or both does not meet the standards set by Faculty for entry into the Normal Course. Applicants may, however, be exempted from some of the subjects of the Special Course at the discretion of Faculty.

OPTIONAL COURSES

Biology 1402
French 1491 or 1493
Economic History 1430
Geography 1442
German 1450 or 1451
History 1460
Latin 1425 or 1426
Music 1480
Spanish 1495
Russian 1455

Descriptions of these optional courses are given on pages 1471 to 1474.

Students are advised to make a careful choice from the Optional Courses at the time of registration since the scheduling of First year lectures based on these choices precludes any changes after the day of registration.

Engineering

SECOND YEAR

(For Second Year Architecture, see page 1424)

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	320	150	2	2	2	2
Surveying	324	50	..	2	..	..
*Survey School	352	Year 3	..	..	..	..
**Engineering Drawing II	521	100	..	..	3	3
Descriptive Geometry	522	100	1	1	2	2
Physical Chemistry and Laboratory	922	125	2	2	1	1
Algebra	1220	50	2	..	..	..
Calculus	1224	150	3	3	..	..
Mensuration and Spherical Trigonometry	1226	50	..	2	..	..
Physics and Laboratory	1320	100	3	..	2	..
Physics and Laboratory	1322	100	..	3	..	2
***Analytic Geometry	1222	100	2	2	..	..
Total		975 or 1075	13 or 15	15 or 17	10	10

*Course 352 must be attended at the end of the Second year from about April 25 to May 25.

**A condition in Course 521 may be cleared only by attending a Special School starting September 8th. Applicants for entry into Second year with Senior Matriculation standing who are deficient in Engineering Drawing must attend a Special School commencing September 8th, before permission to register in Second year will be granted.

***Course 1222 is for those students who have not followed the Normal Course of Year One or who have registered in Year Two with Senior Matriculation standing.

I. ARCHITECTURE

The course for the degree of Bachelor of Architecture extends over six years and aims to provide a basic training in the building arts and sciences. The First year is the regular First year of the Faculty of Engineering. The Second year is the regular Second year of the Faculty of Engineering with an alternative in Drawing and History of Architecture. The subjects of Building Construction, Architectural and Structural Design, History of Architecture, Civic Design, Acoustics, Electrical and Mechanical Services of Buildings, and Community Planning are taken during the Third, Fourth and Fifth years. The work of the Sixth year is largely architectural design and professional practice.

FIRST YEAR

As in engineering courses (see page 1421).

Architecture
SECOND YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Architectural Report	117	100	..	..	..	..
Architectural Drawing and Elements of Design	115	150	1	1	6	6
History of Architecture	116	100	2	2	..	..
Mechanics	320	150	2	2	2	2
Surveying	324	50	..	2	..	..
*Survey School	352	Year 3	..	..	..	..
Algebra	1220	50	2	..	..	..
**Analytic Geometry	1222	100	2	2	..	..
Calculus	1224	150	3	3	..	..
Mensuration and Spherical Trigonometry	1226	50	..	2	..	..
Physics and Laboratory	1320	100	3	..	2	..
Physics and Laboratory	1322	100	..	3	..	2
Total		1000 or 1100	13 or 15	15 or 17	10	10

*Course 352 must be attended at the end of the Second year from about April 25 to May 25.

**Course 1222 is for those students who have not followed the Normal Course of Year One or who have registered in Year Two with Senior Matriculation standing.

Note: Students who complete Second year Architecture may enter Third year Engineering by making up deficiencies in Engineering Drawing 521, Descriptive Geometry 522, and Elementary Physical Chemistry and Laboratory 922.

A special Summer School in Engineering Drawing of two weeks duration will be made available for such students as enter Second year with senior matriculation and with a deficiency in Engineering Drawing 511.

Architecture
THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Architectural Report	130	100	..	..	..	..
Building Construction	131	250	1	1	15	18
Elements of Design	132	50	..	..	3	3
Freehand Drawing	133	50	..	..	3	3
History of Architecture	134	100	2	2	..	..
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
Surveying	350	50	2	..	..	..
Surveying Problems	351	25	..	..	3	..
*Survey School	352	100	..	..	..	..
Technical Paper	830	100	..	..	..	..
Calculus	1242	100	2	2	..	..
Total		1075	10	8	24	24

*Counted as part of Third year curriculum, but taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Third year (see page 1448).

Architecture

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Civic Design	145	50	1	1	..	..
Architectural Report	146	100	..	..	..	..
Building Construction	147	100	1	1	6	..
Design A	148	250	..	..	9	12
Freehand Drawing	150	50	..	..	3	3
History of Architecture	151	100	2	2	..	..
Design Workshop	162	50	..	..	3	3
Structural Design I	360	75	2	..	2	..
Foundations	363	75	1	1	..	3
Strength of Materials	373	125	2	2	..	3
*Electrical Services	498	50	2	..	..	..
Technical Paper	840	100	..	..	..	..
Total		1075	9	7	23	24

*Given to combined Fourth and Fifth years in alternate years. Course 498 will be given in session 1960-61.

Architecture

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Social Observation	152	100	2	2	..	..
Architectural Report	160	100	..	..	..	..
Design B	161	300	1	1	17	17
History of Architecture	163	100	2	2	..	..
Planning	164	100	2	2	..	..
Sketching School	165	50	..	..	..	..
Design Workshop	178	25	..	..	3	..
Reinforced Concrete	390	75	2	..	2	..
*Electrical Services	498	50	2	..	..	..
Mechanical Services	578	100	2	2	..	3
Technical Paper	850	100	..	..	..	..
Acoustics of Buildings	1380	50	1	..	..	2
Engineering Practice I	1561	50	..	2	..	..
Total		1150	12	11	22	22

*Given to combined Fourth and Fifth years in alternate years. Course 498 will be given in 1960-61.

Architecture

SIXTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Sketching School	166	50	..	..	..	..
Architectural Report	175	100	..	..	..	..
Design C	176	600	..	..	24	24
Design Seminar	177	..	..	..	..	..
History of Architecture	179	100	2	2	..	..
Professional Practice	180	50	1	1	..	..
Specifications	181	50	1	1	..	..
Structural Design II	399	50	1	..	3	..
Technical Paper	860	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Total		1150	7	4	27	24

II. CHEMICAL ENGINEERING

The aim of this course is to provide a broad fundamental training, which, when supplemented by practical experience, will make the engineer competent to design and operate industrial plants and to understand the processes.

Part of the time in the Third year is devoted to Chemistry in addition to general engineering subjects. In the Fourth year, time is divided between Chemistry and Engineering, and Chemical Engineering topics are introduced. The Fifth year is devoted mostly to Chemistry and Chemical Engineering, including a course in unit operations.

Students must attend a summer school in Chemical Engineering at the end of the Fourth year.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423), except that students do not take the Summer School in Surveying Field Work 352.

Chemical Engineering
THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Chemical Engineering Problems	240	100	1	1	2	2
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
Technical Paper	830	100	..	..	..	..
Systematic Inorganic Chemistry	940	100	2	2	..	..
Inorganic Quantitative Analysis	944	150	1	1	6	6
Organic Chemistry	948	100	2	2	1	1
Organic Chemistry Laboratory	950	50	..	..	3	3
Calculus	1242	100	2	2	..	..
Physics	1340	100	2	2	..	..
Physics Laboratory	1344	50	..	..	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1050	14	14	15	15

See Regulations governing promotion, page 1509.

Chemical Engineering
FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Chemical Technology	260	100	2	2	..	..
Elementary Chemical Engineering	264	100	2	2	..	..
Thermodynamics	268	100	2	2	..	..
†Summer School	270	100	..	..	..	..
Strength of Materials	373	125	2	2	..	3
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	840	100	..	..	..	..
Advanced Organic Chemistry	962	200	2	2	6	6
High Polymers (extra)	966	..	1	1	..	..
Intermediate Physical Chemistry Laboratory	968	50	..	..	3	3
*Mineraology	1162	125	2	2	3	..
*Differential Equations	1260	100	2	2	..	..
Engineering Reports	1560	50	1	1	..	..
Engineering Practice I	1561	50	..	2	..	..
Total		1275 or 1300	17	18	14 or 17	15

*Alternates.
†Taken in four weeks following the close of the Fourth year.

Chemical Engineering

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Chemical Engineering A	280	150	3	3	..	..
Chemical Engineering B	282	150	3	3	..	..
Chemical Engineering Design	284	50	..	2	..	..
Chemical Engineering Laboratory	286	100	..	..	6	6
Thermodynamics	288	100	2	2	..	..
Elements of Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
Technical Paper	850	100	..	..	..	..
Advanced Physical Chemistry	982	100	2	2	..	..
Advanced Physical Chemistry Laboratory	984	50	..	..	3	3
Colloid Chemistry	986	50	1	1	..	..
Electrochemistry	988	50	1	1	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		1150	18	16	12	12

III. CIVIL ENGINEERING

REGULAR COURSE

The regular course of study is designed to emphasize the fundamental principles of mechanics, strength of materials, design of structures, and hydraulics, at the same time affording an opportunity of applying these principles to practical problems ranging widely over the field of civil engineering. A sound foundation is laid for future specialization. The outlook of the student is broadened by courses in Mechanical, in Metallurgical, and in Electrical Engineering. In the designing courses special attention is given to the interpretation and critical discussion of specifications and to the economic factors involved.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Civil Engineering (Regular Course)
THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
Surveying	350	50	2	..	..	..
Surveying Problems	351	25	..	..	3	..
*Survey School	352	100	..	..	..	..
Structural Drawing	341	25	..	..	3	..
Mechanics of Machines	542	50	..	1	..	3
Technical Paper	830	100	..	..	..	..
General Geology	1142	125	2	2	2†	2
Calculus	1242	100	2	2	..	..
Physics	1340	100	2	2	..	..
Physics Laboratory	1344	50	..	..	3	3
Engineering Reports	1540	50	1	1	..	..
Total	...	925	12	11	11	8

*This School is held in the Spring at the end of the Second year, from about April 25 to May 25, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

†During the first few weeks the laboratory work is replaced by field excursions.

Students who complete the Third year of Mechanical Engineering at McGill may transfer to the Fourth year of Civil Engineering without deficiencies if they attend Survey School 377 at the end of their Third year.

Civil Engineering (Regular Course)
FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Hydraulics	364	75	2	..	3	..
Structural Design I	360	75	..	2	..	2
Foundations	362	100	1	1	3	3
Map Projections (extra)	368	..	1	..	2	..
Highway Engineering	371	75	2	..	3	..
Strength of Materials	373	125	2	2	..	3
Surveying	376	100	2	2	..	..
*Survey School	377	100	..	..	..	..
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	840	100	..	..	..	..
Engineering Reports	1560	50	1	1	..	..
Engineering Practice I	1561	50	..	2	..	..
**Railway Engineering	372	50	..	1	..	3
**Differential Equations	1260	100	2	2	..	..
Total		1100 or 1150	13 or 15	13 or 14	14	11 or 14

*Taken in four weeks following the Third year.

**Alternates.

Civil Engineering (Regular Course)
FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Structural Design II	380	150	1	2	3	5
*Foundations and Reinforced Concrete	382	75	..	2	..	3
*Geodesy	384	50	..	2	..	..
*Geodetic Laboratory	385	25	..	..	..	3
Hydraulic Machines	386	50	..	2	..	..
Municipal Engineering	387	125	2	2	3	..
*Photogrammetry	388	75	..	2	..	3
Reinforced Concrete	390	75	2	..	2	..
Theory of Structures	392	175	2	2	5	3
†Survey School (extra)	394	..	..	..	..	..
Urban Planning	395	50	1	1	..	..
Elements of Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
Technical Paper	850	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		1050	14	13	16	14

*Alternates; Course 382 *or* Courses 384 and 385 *or* Course 388, to be taken.
†Taken in four weeks following Fourth year.

APPLIED MECHANICS OPTION

The courses of study in the applied mechanics option are designed to give rather more emphasis to the field of applied mechanics than is given in the regular civil engineering course. A broad mathematical foundation is provided, permitting a more intensive treatment of technical phases of applied mechanics, including fluid mechanics and vibrations. The work of the regular course in Railway and Highway Engineering, Geodesy, and Municipal Engineering is omitted, but all the basic engineering of the regular course is retained. The training is designed for those students who wish to fit themselves for positions in the field of advanced structural design, and for graduate and research work in this and allied fields.

A student electing this option may revert to the regular civil engineering course at the end of his Third year without making up the regular work missed, provided his standing in all other respects is satisfactory. Reversion at the end of the Fourth year involves making up certain of the work missed. Students who make only low pass standing will be required to revert.

Registration for this option is restricted to students whose general background, and whose standing attained in the Second year, particularly in mathematics, indicate that they can profit by it. Students intending to register for this option should consult with the Chairman of the Department and obtain his approval of such registration prior to September 15th.

Civil Engineering (Applied Mechanics Option)

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
Surveying	350	50	2	..	..	..
Surveying Problems	351	25	..	..	3	..
*Survey School	352	100	..	..	..	..
Technical Paper	830	100	..	..	..	..
General Geology	1142	125	2	2	2†	2
Advanced Calculus	1240	150	3	3	..	..
Vector Methods and Nomography	1246	50	1	1	..	..
Differential Equations	1260	100	2	2	..	..
Physics	1340	100	2	2	..	..
Physics Laboratory	1344	50	..	..	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1050	16	14	8	5

*Counted as part of Third year curriculum, but taken in four weeks following the close of the Second year. Students entering from other universities do part of this work in a special summer school before entering Third year (see page 1448).

†During the first few weeks the laboratory work is replaced by field excursions.

Civil Engineering (Applied Mechanics Option)

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
*Thermodynamics	268	100	2	2	..	..
Structural Design I	360	75	..	2	..	2
*Foundations	362	100	1	1	3	3
Hydraulics	364	75	2	..	3	..
Strength of Materials	373	125	2	2	..	3
†Dynamics and Vibrations	381	75	1	2	..	..
†Fluid Dynamics	383	75	1	2	..	..
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	840	100	..	..	..	..
Theory of Functions	1264	75	1	1	1	1
Engineering Reports	1560	50	1	1	..	..
Engineering Practice I	1561	50	..	2	..	..
Total		925	11 or 12	13 or 14	9 or 12	9 or 12

*Alternates. Course 362 is prerequisite to (extra) Course 382, Fifth year.

†Given to combined Fourth and Fifth years in alternate years. Course 381 will be given in 1959-60.

Civil Engineering (Applied Mechanics Option)

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Structural Design II	380	150	1	2	3	5
*Dynamics and Vibrations	381	75	1	2	..	..
†Foundations and Reinforced Concrete (extra)	382	..	..	2	..	3
*Fluid Mechanics	383	75	1	2	..	..
Hydraulic Machines	386	50	..	2	..	..
Reinforced Concrete	390	75	2	..	2	..
Theory of Structures	392	175	2	2	5	3
Elements of Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
Technical Paper	850	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		875	12	10	13	11

*Given to combined Fourth and Fifth years in alternate years. Course 381 will be given in 1959-60.

†Foundations 362, Fourth year, is prerequisite.

IV. ELECTRICAL ENGINEERING

The course leading to the B.Eng. in Electrical Engineering provides a mathematical and physical background for the theoretical principles of modern electrical engineering. The theoretical content is supplemented with adequate laboratory work and provides a training to fit students for positions in all branches of Electrical Engineering.

The first three years of the course provide the student with a broad training in the fundamentals common to all branches of engineering.

The Fourth year is common to all Electrical Engineering students.

The Fifth year course consists of three parts; the first is taken by all students, the second provides two options, one in electrical machines, generation and transmission, the other in various aspects of electrical communications. The third part provides a number of half courses of which two must be taken.

FIRST AND SECOND YEARS

As in other Engineering Courses (see pages 1421 to 1423).

Electrical Engineering

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Circuit Analysis	440	100	..	2	..	3
Technical Paper	830	100	..	..	..	..
General Geology	1142	125	2	2	2†	2
Calculus	1242	100	2	2	..	..
Differential Equations	1260	125	2	2	..	..
Physics and Laboratory	1343	150	3	2	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1000	13	14	5	8

*This School is held in the Spring at the end of the Second year from about April 25 to May 25, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

†During the first few weeks the laboratory work is replaced by field excursions.

Electrical Engineering

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	373	125	2	2	..	3
Electrical Theory and Measurement	460	150	3	3	..	..
Electronics and Communications	461	100	2	2	..	..
Energy Conversion and Transmission	462	100	2	2	..	..
Laboratory	463	100	..	..	6	6
Tutorials	464	75	..	..	6	3
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Technical Paper	840	100	..	..	..	..
Solid State Physics	1370	100	2	2	..	..
Engineering Practice	1561	50	..	2	..	..
Total		1050	13	15	15	15

Electrical Engineering

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Electrical Theory and Measurements	480M	150	3	3	..	..
Electronic Devices	481M	100	2	2	..	..
Control Engineering	482M	50	2	..	..	..
Combined Electrical Laboratory	483M	100	..	..	6	6
Combined Electrical Tutorial	484M	50	..	..	4	4
Technical Paper	850	100	..	..	..	..
Engineering Practice	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
AND EITHER						
Energy Conversion and Transmission	485M	150	3	3	..	..
OR						
Communications	486M	150	3	3	..	..
PLUS TWO OF THE FOLLOWING—ONE IN EACH TERM:						
Hydraulics	364	75	2	..	3	..
Hydraulics Machines	386	50	..	2	..	..
Acoustics	487M	75	2	..	3	..
Electrical Machine Design	488M	75	2	..	..	3
Radio Engineering Design	489M	75	..	2	..	3
Control Engineering Design	490M	75	..	2	..	..
Electro-magnetic Theory	491M	75	2	..	3	..
Numerical Analysis	492M	75	2	..	3	..
Mathematical Machine Methods	493M	75	..	2	..	3
Total		925 or 950	16	10	13	10 or 13

ENGINEERING PHYSICS (Electrical)

The course leading to the degree of B.Eng. in Engineering Physics (Electrical) is planned for those students who wish to fit themselves for positions in development and research.

Registration in Engineering Physics is restricted to those students who have completed Second year Engineering with first class standing. Moreover, to remain in this course, students must achieve a good Second Class standing in the examinations.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Engineering Physics

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Circuit Analysis	441	125	2	2	..	3
Technical Paper	830	100	..	..	..	..
Advanced Calculus	1240	150	3	3	..	..
Vector Methods and Nomography	1246	50	1	1	..	..
Differential Equations	1260	100	2	2	..	..
Electricity and Magnetism	1345	100	3	..	3	..
Advanced Light	1364	125	2	1	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1050	17	13	6	6

*This School is held in the Spring at the end of the Second year, from about April 25 to May 25, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

Engineering Physics

FOURTH YEAR

(for 1959-60 only)

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	373	125	2	2	..	3
Electrical Theory and Measurments	460	150	3	3	..	..
Electronics and Communications	461	100	2	2	..	..
Energy Conversion and Transmission	462	100	2	2	..	..
Laboratory	465	50	..	..	3	3
Technical Paper	840	100	..	..	..	..
Theory of Functions	1264	75	1	1	1	1
Electron Physics	1362	50	2	..	..	..
Advanced Light	1364	125	2	1	3	3
Properties of Matter (extra)	1366	..	..	1	..	..
Statics and Dynamics	1368	150	3	3	..	..
Engineering Practice I	1561	50	..	2	..	..
Total		1075	17	16	7	10

Engineering Physics

FIFTH YEAR

(for 1959-60 only)

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Electronic Devices	481M	100	2	2	..	..
Communications	486M	150	3	3	..	..
Combined Laboratory	495M	50	..	..	3	3
Technical Paper	850	100	..	..	..	..
Fluid Dynamics (extra)	1282	..	3	..	..	..
Advanced Dynamics (extra)	1284	..	..	3	..	..
Atomic Physics	1382	125	2	2	3	..
Electrical Measurements	1384	125	1	2	3	3
Electromagnetic Theory	1388	75	2	1	..	..
Mathematical Physics	1390	150	3	3	..	..
Radioactivity	1392	75	..	2	..	3
Total		950	13	15	9	9

V. MECHANICAL ENGINEERING

The branch of engineering designated as Mechanical is of a broad nature covering many engineering fields. It is concerned with the generation and utilization of power, the design, production, and operation of mechanical devices, and the organization and administration of industrial plants.

REGULAR COURSE

The regular course offers a basic general engineering training to serve as a sound structure on which subsequently to specialize in the problems of any particular industry. The laboratory classes and problem periods are designed to integrate with the lecture courses, serving to illustrate the practical application of the basic engineering principles in many different fields.

Arrangements are made for occasional visits to power plants and factories of importance.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Mechanical Engineering (Regular Course)

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
Surveying	350	50	2	..	..	..
*Survey School	352	100	..	..	..	..
Engineering Drawing III	541	25	..	..	3	..
Mechanics of Machines	542	50	..	1	..	3
‡Machine Shop I	543	50	..		3	3
Engineering Problems	544	50	..	..	3	3
Technical Paper	830	100	..	..	..	..
General Geology	1142	125	2	2	2†	2
Calculus	1242	100	2	2	..	..
Physics	1340	100	2	2	..	..
Physics Laboratory	1344	50	..	..	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1000	12	11	14	14

*This School is held in the Spring at the end of the Second year, from about April 25 to May 25, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

†During the first few weeks the laboratory is replaced by field excursions.

‡Students wishing to enter Fourth year Mechanical Engineering who have not taken Machine Shop I will take this course in a Special Summer School in September preceding Fourth year.

Students who complete the Third year of Civil or Electrical Engineering at McGill may transfer to the Fourth year of Mechanical Engineering without any deficiency if they attend Machine Shop 543 immediately after the end of their Third year.

Mechanical Engineering (Regular Course)

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	373	125	2	2	..	3
Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Lab.	472	50	..	..	3	3
Industrial Engineering I	561	75	2	..	2	..
Machine Shop II	563	50	..	..	5	..
Mechanics of Machines	564	125	2	2	1	1
Mechanical Engineering Laboratory	569	50	..	..	3	3
Applied Thermodynamics I	571	125	2	2	1	1
Fluid Dynamics I	573	50	2	..	..	..
Mechanical Design I	575	150	..	4	..	6
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	840	100	..	..	..	..
Differential Equations	1260	100	2	2	..	..
Engineering Reports	1560	50	1	1	..	..
Engineering Practice	1561	50	..	2	..	..
Total		1250	16	17	17	17

Mechanical Engineering (Regular Course)

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	391	50	2	..	..	..
Experimental Mechanical Engineering	581	150	2	..	6	6
Industrial Engineering II	583	150	2	2	3	3
Applied Thermodynamics II	593	150	2	2	3	3
Heat Transfer	594	50	..	2	..	..
Mechanical Design II	595	150	2	2	3	3
Fluid Dynamics II	596	125	2	2	1	1
Dynamics of Machines	597	125	2	2	1	1
Technical Paper	850	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		1150	18	12	17	17

MECHANICAL SCIENCES OPTION

The course of study in the Mechanical Sciences option is designed to give much more emphasis on the underlying fundamentals of engineering. A broad mathematical and physical foundation is provided, giving the students a good point of departure for advanced engineering studies in a large number of fields. In the final year, training is given to the student in the application of these fundamentals to engineering problems, by seminar discussions and the preparation of a thesis.

The training is designed for those who wish to prepare themselves for creative engineering and for graduate and research work.

Registration will be restricted to students whose general background, and whose standing in the Second year, particularly in Mathematics, indicate that they can profit by it. A very high pass standing will be required. Students who fail to maintain this in the Third year must revert to the regular Fourth year Mechanical Engineering course. Reversion at the end of the Fourth year involves making up certain work missed. Students intending to register for this option should consult with the Chairman of the Department and obtain his approval prior to September 15th.

Mechanical Engineering (Mechanical Sciences Option)
THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Engineering Drawing III	541	25	..	..	3	..
**Fluid Dynamics I	573	50	..	..	..	..
Technical Paper	830	100	..	..	..	..
Advanced Calculus	1240	150	3	3	..	..
Vector Methods	1246	50	1	1	..	..
Differential Equations	1260	100	2	2	..	..
Physics (Electricity and Magnetism)	1341	150	3	3	..	..
Advanced Heat	1342	100	2	2	..	..
Physics Laboratory	1344	50	..	..	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1025	14	14	6	3

*This School is held in the Spring at the end of the Second year, from about April 25th to May 25th, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

**For students taking this option, Course 573 is a reading course. No lectures will be given.

Note: Students who achieve high standing in this Third year course may, if they wish, enter the Fourth year of Engineering Physics or the Applied Mechanics option of Civil Engineering, provided that they make up work in Electrical Engineering 440, or Surveying 350 and General Geology 1142, respectively.

Mechanical Engineering (Mechanical Sciences Option)

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	373	125	2	2	..	3
Electronics and Communications	461	100	2	2	..	..
Electrical Laboratory	465	50	..	..	3	3
Mechanical Engineering Laboratory I	569	50	..	..	3	3
Theory and Design of Machines I	579	150	2	2	3	3
Applied Thermodynamics II	593	150	2	2	3	3
*Heat Transfer	594	50	..	..	..	..
Fluid Dynamics II	596	125	2	2	1	1
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	840	100	..	..	..	..
Theory of Functions	1264	75	1	1	1	1
Engineering Practice I	1561	50	..	2	..	..
Total		1075	12	13	16	17

*For students taking this option, Course 594 is a reading course. No lectures will be given.

Mechanical Engineering (Mechanical Sciences Option)

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Engineering Analysis	393	100	2	2	..	..
Experimental Mechanical Engineering	581	150	2	..	6	6
Theory and Design of Machines II	598	150	2	..	3	3
Engineering Problems	599	300	..	..	12	12
Technical Paper	850	100	..	..	..	..
Mathematical Physics	1290	150	3	3	..	..
Atomic Structure	1394	50	..	2	..	..
Total		1000	9	7	21	21

VI. METALLURGICAL ENGINEERING

REGULAR COURSE

The course of instruction provides training in the chemical, physical, and engineering subjects that form the basis for metallurgical engineering. In the later years, the various branches of theoretical and practical metallurgy are studied.

The course is designed for students who expect to be engaged in the smelting or refining of metals, the production of iron and steel, the melting and casting of metals and alloys, or in engineering work in which the mechanical properties and heat-treatment of metals and alloys are of fundamental importance.

In the Third year instruction is given in mathematics, mechanics, physics, chemistry, and metallurgical problems.

In the Fourth year instruction is given in economics, chemical thermodynamics, mineralogy, mineral dressing, metallurgy, mechanical engineering, and strength of materials.

In the Fifth year instruction is given in engineering law, economics, metallurgy, hydrometallurgy, metallography, strength of materials, electrical engineering, metallurgical design, and mineral dressing.

Laboratory accommodation is provided for graduate students who wish to do advanced work in metallurgy for the M.Eng. degree, or M.Sc. degree.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Metallurgical Engineering

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Metallurgical Problems and Lab.	643	100	1	1	2	3
Technical Paper	830	100	..	..	..	..
Systematic Inorganic Chemistry	940	100	2	2	..	..
Inorganic Quantitative Analysis	944	150	1	1	6	6
Organic Chemistry	948	100	2	2	1	1
Calculus	1242	100	2	2	..	..
Physics	1340	100	2	2	..	..
Physics Laboratory	1344	50	..	..	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1100	14	14	12	13

*Taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school entering Fourth or Fifth year (see page 1448).

Metallurgical Engineering

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Inorganic Chemical Technology	266	50	2	..	..	..
Strength of Materials	373	125	2	2	..	3
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Metallurgical Laboratory	662	50	..	..	3	3
Metallurgical Problems	664	50	..	..	..	4
Metallurgy of Iron and Steel	666	50	1	1	..	..
Metallurgical Unit Operations	668	125	2	..	2	..
Mineral Dressing	763	100	1	1	3	3
Technical Paper	840	100	..	..	..	..
Chemical Thermodynamics	964	100	3	3	..	..
Mineralogy	1161	75	2	..	3	..
Differential Equations	1260	100	2	2	..	..
Engineering Practice	1561	50	..	2	..	..
Total		1125	17	13	14	16

Metallurgical Engineering

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	391	50	2	..	..	..
Elements of Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
Metallurgical Laboratory	682	75	..	..	6	3
Hydrometallurgy	683	175	3	3	1	1
Extractive Metallurgy	684	150	2	2	2	2
Metallurgical Colloquium	688	25	..	1	..	..
Metallurgical Design	690	25	..	..	..	3
Metallurgical Instrumentation	691	75	..	2	..	3
Physical Metallurgy	694	125	2	2	1	1
Metallurgical Unit Operations	696	75	..	2	..	2
Mineral Dressing	797	75	2	..	3	..
Technical Paper	850	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		1200	17	14	16	18

METAL SCIENCES OPTION

The courses of study in the metal sciences option offer a more rigorous training in mathematics, electronics and chemistry than is given in the regular metallurgical engineering course. A very thorough training in mathematics is provided permitting more intensive treatment of the technical phases of both chemical and physical metallurgy. Of necessity certain courses must be eliminated but the training will particularly fit students for advanced technical work and for graduate and research work in metallurgy.

Students accepted into this option may revert to the regular course on the completion of the work of the previous year. Students who make only low pass standing will be required to revert.

Registration for this option will be restricted to students whose general background and high academic standing indicate that they can profit by it. Students who wish to register for this option must consult with the Chairman of the Department, and obtain his approval prior to September 15th.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Metallurgical Engineering (Metal Sciences option)

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Metallurgical Problems and Laboratory	643	100	1	1	2	3
Technical Paper	830	100	..	..	..	..
Systematic Inorganic Chemistry	940	100	2	2	..	..
Inorganic Quantitative Analysis	954	100	1	1	3	3
Advanced Calculus	1240	150	3	3	..	..
Differential Equations	1260	100	2	2	..	..
Physics	1340	100	2	2	..	..
Physics Laboratory	1344	50	..	..	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1050	14	14	8	9

*Taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Fourth or Fifth year (see page 1448).

Metallurgical Engineering (Metal Sciences option)

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	373	125	2	2	..	3
Electrical Laboratory	465	50	..		3	3
Electronics and Communications	461	100	2	2	..	..
Metallurgical Laboratory	662	50	..	..	3	3
Metallurgical Problems	664	50	..	..	..	4
Metallurgy of Iron and Steel	666	50	1	1	..	..
Metallurgical Unit Operations	668	125	2	..	2	..
Mineral Dressing	763	100	1	1	3	3
Technical Paper	840	100	..	..	..	..
Chemical Thermodynamics	964	100	3	3	..	..
Theory of Functions	1264	75	1	1	1	1
Engineering Practice I	1561	50	..	2	..	..
Total		975	12	12	12	17

Metallurgical Engineering (Metal Sciences option)

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	391	50	2	..	..	..
Engineering Analysis	393	100	2	2	..	..
Hydrometallurgy	680	150	3	3	..	..
Extractive Metallurgy	681	100	2	2	..	..
Metallurgical Laboratory	682	75	..	..	6	3
Metallurgical Colloquium	688	25	..	1	..	..
Metallurgical Design	690	25	..	..	..	3
Metallurgical Instrumentation	691	75	..	2	..	3
Physical Metallurgy	693	100	2	2	..	..
Studies in Metallurgical Processes	695	75	..	..	6	3
Metallurgical Unit Operations	696	75	..	2	..	2
Technical Paper	850	100	..	..	..	..
Engineering Law	1581	50	2	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Total		1050	15	14	12	14

VII. MINING ENGINEERING

The technical requirements of the mining engineer cover the field of basic engineering and geological knowledge. In the junior years of the course, in common with other branches of engineering, emphasis is placed on mathematics, physics, and chemistry. On this background a comprehensive training in engineering and geological principles is superimposed. Thus the course, in addition to preparing students for the varied technical appointments available in the mineral industry, offers a well rounded engineering curriculum.

Timetable permitting, at the discretion of the Chairman of the Department and with the approval of Faculty, some variation of the final year curriculum is permitted in the case of students wishing to emphasize geology, geophysics, mineral dressing, or other specialized branch.

A Field School in mining, mineral dressing, and geology for the Fourth year normally begins after the close of the April examinations. The School visits some important mining districts where there is an opportunity to examine a variety of mining and milling operations. The fee for this school is not included in the regular tuition and is normally about fifty dollars. The actual amount is established annually when the itinerary and related factors are known, and is payable to the University on or about April 15th immediately preceding the trip.

Three scholarships of $500 each are available to undergraduate students in Mining Engineering. Two of these are presented by the Iron Ore Company of Canada and one by the American Smelting and Refining Company. A further scholarship of $400 is presented by Mobil Oil of Canada Ltd. and preference in awarding it is given to students in Mining Engineering. (*See Scholarship Announcement.*)

Facilities are available for graduate students undertaking advanced work in many of the specialized branches of the mineral industry. The Department possesses two Research Fellowships open to graduates of the University who show suitable ability. (*See Scholarship Announcement.*)

Refer to page 1417 for regulations regarding physical examination.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Mining Engineering
THIRD YEAR

SUBJECT	Course Number	Weighted mark	Lecture hours per week		Laboratory etc., hours, per week	
			First term	Second term	First term	Second term
Materials of Engineering	342	50	1	1	..	..
Mechanics	340	100	2	2	..	..
Surveying	350	50	2	..	..	..
*Survey School	352	100	..	..	..	..
Theory of Measurements	740	25	1	..	..	..
Technical Paper	830	100	..	..	..	..
Systematic Inorganic Chemistry	940	100	2	2	..	..
Inorganic Quantitative Analysis	954	100	1	1	3	3
General Geology	1142	125	2	2	2†	2
Mineralogy	1144	150	2	2	3	3
Calculus	1242	100	2	2	..	..
Physics	1340	100	2	2	..	..
Physics Laboratory	1344	50	..	..	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1200	18	15	11	11

*Taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Third year (see page 1448).

†During the first few weeks the laboratory work is replaced by field excursions.

Mining Engineering
FOURTH YEAR

SUBJECT	Course Number	Weighted mark	Lecture hours per week		Laboratory etc., hours, per week	
			First term	Second term	First term	Second term
Elements of Structural Design	360	75	..	2	..	2
Hydraulics	364	75	2	..	3	..
Strength of Materials	373	125	2	2	..	3
(1)Survey School	377	100	..	..	..	..
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Physical Metallurgy	670	50	1	..	2	..
Mine Mapping and Theory of Measurements	760	50	..	1	..	2
Mine Surveying	761	50	2	..	..	..
Mine Engineering I	762	100	2	2	..	..
Mineral Dressing	763	100	1	1	3	3
Ore Analysis	764	75	1	1	2	2
Technical Paper	840	100	..	..	..	..
Petrology	1164	75	2	..	3	..
(2)Summer School (Field Geology)	1165	75	..	..	..	..
Structural Geology	1166	75	..	2	..	3
Engineering Practice I	1561	50	..	2	..	..
Total		1325	15	15	16	18

(1) Taken in two weeks following the Third year session.

(2) Taken in two weeks following two weeks of survey Summer School 377.

Mining Engineering

FIFTH YEAR

SUBJECT	Course Number	Weighted mark	Lecture hours per week		Laboratory etc., hours per week	
			First term	Second term	First term	Second term
Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
General Metallurgy	686	100	2	2	..	..
Mine Design	782	125	..	..	6	6
Mine Finance and Cost Control	784	50	..	2	..	..
Mining Colloquium	786	25	..	1	..	..
Mining Engineering II	788	75	2	1	..	..
Mining Engineering Problems	790	50	..	..	2	2
(1)Summer School (Field Trips)	794	...	..	..	..	..
Mineral Dressing	797	75	2	..	3	..
Mineral Dressing	798	50	..	1	..	3
Technical Paper	850	100	..	..	..	..
Geology of North America	1180	100	2	2	..	..
Ore Deposits	1182	150	2	2	..	3
Geophysics	1360	50	2	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		1200	18	13	14	17

(1) Normally taken in two or three weeks at the close of Fourth year.

SUMMER SCHOOLS

Undergraduates are required to attend Regular Summer Schools as specified below. The times at which they are held, and the work covered, are set forth in detail under the course numbers referred to.

See note under fees, page 1416.

Except as noted, classes are expected to begin on or about April 25th and close about May 24th.

REGULAR SUMMER SCHOOLS

CURRICULUM	Students Entering					
	Third year		Fourth year		Fifth year, and Sixth year Architecture	
	Course	Page	Course	Page	Course	Page
Architecture	352	1465	..	..	165 166	1455 1455
Chemical Engineering	..	..	..	..	270	1457
Civil Engineering:						
Regular Course	352	1465	377	1466	*394	1470
Applied Mechanics option	352	1465	..	..	..	..
Electrical Engineering	352	1465	..	..	..	..
Mechanical Engineering	352	1465	..	..	..	..
Metallurgical Engineering	352	1465	..	..	..	..
Mining Engineering	352	1465	377 1165	1466 1484	.. 794	.. 1502
Engineering Physics	352	1465	..	..	..	..

*Extra.

SPECIAL SUMMER SCHOOLS

As it is seldom practicable for students admitted to advanced standing in McGill University from other colleges to attend the May Summer School preceding the work of the year to which they are admitted, the following arrangements have been made for such students, *but it must be understood that they apply only to students who have not previously been in attendance in the Faculty of Engineering.*

(a) Students entering Second year with Senior Matriculation standing must attend a school in Engineering Drawing 511 starting September 8th.

(b) Students entering the Third year from other universities, except in Chemical Engineering, are required to attend a Summer School in Surveying which opens on or about September 8th, 1959 preceding the work of the Session. Additional work will be required in the following year to complete the course.

(c) Students entering the Fourth year in the course in Civil or Mining Engineering are required to attend a Summer School in Surveying which opens on or about September 8th, 1959.

(d) Students entering the Fourth year in Mechanical Engineering are required to attend a Special School in Machine Shop which opens on or about September 8th, 1959.

(e) Students entering the Fifth year in Mining Engineering are required to submit evidence that they have had at least six months' practical experience in Mining Work.

(f) Students entering Fifth year Architecture are required to attend Sketching School 165 commencing September 8th, 1959.

EMPLOYMENT AND TECHNICAL PAPERS

EMPLOYMENT

Students in Engineering are required to submit to the Faculty evidence of having had at least six months of suitable experience in practical engineering work before receiving their degrees (see page 1420). For students in Architecture the requirement is six months of experience appropriate to the profession. Evidence of employment must be submitted on forms obtainable at the Dean's Office, to be signed by the employer. Forms reporting employment for the summer must be handed in at the Dean's Office not later than noon on Saturday, October 24th, 1959.

TECHNICAL PAPERS

All students in Engineering and Architecture must submit Technical Papers 830, 840 and 850, on entering Third, Fourth, and Fifth years respectively. Students entering the Sixth year of Architecture must submit a paper 860, a report, with illustrations, on the student's final design project of the Fifth year.

Technical Papers are regarded as an important part of the curriculum and a high standard is exacted. They are judged on their subject matter, on their literary style, and on the evidence they show of thoughtful observation and preparation.

Technical Papers are normally written on a topic drawn from the experience of the student during his summer work. Students should take advantage of every opportunity during their summer engagements to gather material for their essays. If a student's summer experience does not provide a reasonable topic for an essay, he may visit and inspect any engineering or scientific project in the course of construction or operation and write upon his observations.

No essay compiled entirely from matter already published will be accepted from any student unless ACCOMPANIED by a letter of approval from the Chairman of his Department, or, in the case of essay 830, written in the summer following Second year, from the Chairman of the Department naturally concerned with the topic upon which the student proposes to write. Such approval is not usually given unless the proposed essay will serve a really useful purpose by bringing together important information otherwise difficult of access.

Data from books and from other sources, may, however, be used or even quoted verbatim in reasonable quantity, provided direct quotations are indicated, and acknowledgement and specific reference is made at the bottom of the page. Thanks for assistance, advice, drawings, photographs, and the like received by the writer from others should also be given under "Acknowledgements." In general, everything that is not of the student's knowledge and composition must be acknowledged.

A FOREWORD is required stating the source of the information used in the paper, such as summer employment, inspection trips, etc.

Papers should be from 2,000 to 4,000 words in length for students entering Third or Fourth year, and from 3,000 to 5,000 for students entering Fifth year. The student is therefore strongly advised to select a topic which can be treated with reasonable completeness within these limits.

Unless absolutely essential, it is not desirable to accompany essays with samples and specimens. Careful writing and adequate illustration will usually make these unnecessary. All drawings must be folded to 8½ x 11 inch size.

Papers must be TYPEWRITTEN, double-spaced, on one side ONLY of 8½ x 11 inch white paper of good quality, with a wide margin for binding, and enclosed in a standard cover obtainable from the University Book Shop.

RANKING OF TECHNICAL PAPERS

Technical Papers are ranked according to schedules A and B below. To achieve pass standing, a student must obtain at least 50% of the marks in each schedule separately.

A—Composition (50 marks)

Clarity, phraseology, style, grammar, spelling, definitions and terminology.

B—Content (35 marks)

Suitability, analysis, exposition, accuracy, completeness, illustrations.

Presentation (15 marks)

Foreword, neatness, arrangement, table of contents, sections and paragraphs, references, bibliography, typography.

After ranking, essays, except those to be considered for prizes or those which must be rewritten, are returned to the writers. Essays considered for prizes, but not awarded any, are also returned, but at a later date.

Prize-winning essays become the property of the Engineering Undergraduates' Society and are filed for permanent reference in the Engineering Library. Any student who does not wish to surrender his essay should, therefore, indicate by letter ATTACHED THERETO that it is not to be considered for a prize.

Students are encouraged to submit their essays to the Engineering Institute of Canada, to the Canadian Institute of Mining and Metallurgy, to the Institute of Radio Engineers, or to the Society of Chemical Industry in competition for prizes offered by these institutes. A student wishing to enter one of these competitions should so indicate by letter ATTACHED TO his essay.

Technical Papers, unless submitted by mail, must be handed in before the close of Registration (4:00 p.m.) on Registration Day, Monday, September 21st, 1959, to the staff member or other officer by whom the student is registered. Essays may be submitted by mail to the Dean's Office, Engineering Building. They must be received before 1 p.m. on Saturday, September 19th, 1959.

Students who do not submit or hand in summer essays before these stated times will be regarded as having failed the essay for their year.

Descriptions of Courses

SCHOOL OF ARCHITECTURE

The School of Architecture is under the administrative jurisdiction of the Faculty of Engineering.

Director and Professor	JOHN BLAND
Associate Professors	PETER COLLINS HAROLD SPENCE-SALES
Assistant Professors	WATSON BALHARRIE JOHN SCHREIBER DOUGLAS SHADBOLT GORDON WEBBER STUART A. WILSON
Sessional Lecturers	W. AUSTIN JOHNSON ORSON WHEELER

SECOND YEAR

115. ARCHITECTURAL DRAWING AND ELEMENTS OF DESIGN. (a) Descriptive geometry; orthographic projection; simple pictorial representation; perspective by various methods; shades and shadows; interpenetrations; developments; lettering. (b) Basic visual elements, line, form, colour, texture. Practical experiments in water colour, tempera, dyes, and inks.

1 lecture and 6 hours problems per week, session.
Professors Webber and Schreiber

116. HISTORY OF CLASSIC, BYZANTINE AND MEDIAEVAL ARCHITECTURE. A survey of the development of architectural manners in Europe.

2 lectures per week, session. *Professor Collins and Mr. Wheeler*

117. ARCHITECTURAL REPORTS. Students are required to prepare a series of papers during the session on specific aspects of the history of architecture. These may be based upon references in literature or other available library records, or they may be studies of actual buildings. Related to Course 116. *Professor Collins*

THIRD YEAR

130. ARCHITECTURAL REPORT. Related to Course 134. Continuation of Course 117. *Professor Collins*

131. BUILDING CONSTRUCTION. Simple architectural form is studied in terms of human purpose, and building materials and techniques. A number of small architectural and construction problems are given to intensify the student's grasp of spatial relationship and constructive sense. An intensive study of a small project is carried out. The design is evolved from the basic conditions of a given problem. Presentation drawings are made and then a set of working drawings is prepared. These are done in order to unfold gradually wood and masonry construction techniques. A small scale model showing all structural members of the building frame is constructed by each student. Studies in line and colour are made of all projects. Practical experiments in construction are carried on in the Laboratories of the Montreal Building Trades Apprenticeship Centre under supervision of McGill Staff. 1 lecture and 15 hours problems per week, first term; 1 lecture and 18 hours problems per week, second term. *Professors Wilson and Shadbolt*

Textbooks: Frame Construction Details (Nat. Lumber Mfg. Ass'n); Gay and Parker, Materials and Methods of Building Construction (Wiley); Graf, Data Sheets (Reinhold); Ramsey and Sleeper, Architectural Graphic Standards (Wiley).

132. ELEMENTS OF DESIGN. Applications of colour and texture experiments to renderings of planes in space. Designing and producing three dimensional tactile structures and the applications of visual aids in the presentation of architectural projects.
3 hours per week, session. *Professor Webber*

133. FREEHAND DRAWING AND MODELLING. Drawing, painting, modelling, and experiments in the forms and techniques of historic manners. Related to Course 135. Classes held in the Montreal Museum of Fine Arts.
3 hours per week, session. *Staff, Montreal Museum of Fine Arts*

134. HISTORY OF 16TH, 17TH AND 18TH CENTURY ARCHITECTURE. A survey of important buildings in Italy, France and England. Related to Course 130.
2 lectures per week, session. *Professor Collins and Mr. Wheeler*

830. TECHNICAL PAPER. (See page 1449).

FOURTH YEAR

145. CIVIC DESIGN. The elements of form in buildings; buildings and their surroundings; design in the urban setting.
1 lecture per week, session. *Professor Spence-Sales*

146. ARCHITECTURAL REPORT. Related to Course 151. Continuation of Course 130, but the chosen subject should be related as far as possible to present-day problems. *Professor Collins*

147. BUILDING CONSTRUCTION. Various structural systems and their architectural significance; construction and finish of walls, floors, ceilings, and roofs; provision for mechanical services; by-law requirements. In continuation of Course 131, students carry out a number of full scale mock-ups of parts of their design projects, thus familiarising themselves with architectural detail and workmanship. In the studio, detailed working drawings of one of the projects are prepared. Related to course 148.
1 lecture per week, session; 6 hours problems per week, first term.
Professors Balharrie and Shadbolt

Textbooks: Huntingdon, Building Construction (Wiley); National Building Code (Queen's Printer).

148. DESIGN, CLASS A. Design and planning aspects of buildings of timber, load bearing masonry and simple frame. Students are given 4 to 5 specific problems during the session, covering buildings of domestic, recreational, commercial or civic character. Each problem is discussed in general terms of functional requirements and visual expression with

reference to siting, structure and the use of materials. Research is carried out into similar types of buildings existing in Canada and elsewhere and preliminary studies are presented for criticism and comment. After this, a set of final presentation drawings is prepared including perspectives and design details to a large scale. 5 to 6 one-day problems of architectural or purely decorative character are introduced during the session to develop the imagination and the ability to produce quick, effective presentation drawings.

9 hours per week, first term; 12 hours per week, second term.

Professor Schreiber

150. FREEHAND DRAWING AND MODELLING. Drawing, painting and modelling with practical experiments in design form. Continuation of Course 133. Classes held in the Montreal Museum of Fine Arts.

3 hours per week, session. *Staff, Montreal Museum of Fine Arts*

151. HISTORY OF MODERN ARCHITECTURE. The architectural consequences of the Industrial Revolution: development of new materials and techniques of construction, of new social requirements in a changed environment; the psychology of stylistic revivalism; the divorce between architecture and engineering; the changing role of the architect, etc. Despite the recent birth of a new style, the student is encouraged to regard the dynamic interaction of social and technological forces as a continuing process in which he himself is involved and towards which he should adopt a positive viewpoint.

2 lectures per week, session. *Professor Collins*

162. DESIGN WORKSHOP. Study of light in relationship to architecture; model-making for light experiments; photographic recordings; photograms. Design of structures to illustrate objects in spatial relationship; solid, linear, and transparent objects.

3 hours per week, session. *Professor Webber*

840. TECHNICAL PAPER. (See page 1449.)

FIFTH YEAR

152. SOCIAL OBSERVATION FOR ARCHITECTS. Architecture in cultural perspective; community planning and culture change. Ethnic groups in the urban community. Characteristic patterns of race relationships, and the requirements of such groups for housing. Slum organization; personality types and characteristic social organization in designated segments of the community. The general patterns of the urban community; processes of growth and change. The role of interest groups, pressure

groups and communication in the development of the urban community. Architecture and the organization of work; types of job openings for architects. Types of careers and stages of careers among architects.

2 hours conference per week, session.

Mrs. Carisse and members of Staff, Department of Sociology

160. ARCHITECTURAL REPORT. Related to Course 163. Continuation of Course 146. *Professor Bland*

161. DESIGN, CLASS B. Continuation of course 148. Problems are of more complex nature structurally and from the planning point of view. One problem is carried through to working drawings and more detailed consideration of structure.

1 lecture and 17 hours problems per week, session. *Professor Shadbolt*

163. HISTORY OF ARCHITECTURE IN CANADA. French, British and American influences in the Maritime Provinces, Quebec and Ontario. Course is related to Course 160.

2 lectures per week, session. *Professor Bland*

164. PLANNING. Elements of town planning; surveys of selected districts of Montreal. The course consists of environmental studies directed at a wider understanding of architectural and civic design.

2 lectures per week, session. *Professor Spence-Sales*

165.
166. } SKETCHING SCHOOL. Students are required to attend two sketching schools during their course. The school is usually conducted out of town so that students are given the opportunity of examining and making graphic records of an unfamiliar district. About 10 days; opening date Tuesday, September 8th, 1959. *Professors Webber and Wilson*

178. DESIGN WORKSHOP. Special experiments in which the individual student presents a subject as a model, such as a theatre stage, a small house, furniture, a mural, a pamphlet, etc.

3 hours per week, first term. *Professor Webber*

850. TECHNICAL PAPER. (See page 1449.)

SIXTH YEAR

175. ARCHITECTURAL REPORT. Related to Course 179. Continuation of Course 160. *Professor Bland*

176. DESIGN, CLASS C. Complex buildings or groups of buildings usually including a housing problem and a commercial or a public building.

Diploma design for graduation is done in the second term. The subject is selected by the student, but must be presented for approval before January 3rd each year; presentation must be in the form of a written report and preliminary plans.

24 hours problems per week, session. *Professor Bland, staff and visitors*

177. DESIGN SEMINAR. This course provides an opportunity for the discussion of current design problems and notable bulidings in Canada with their architects and in some cases owners or persons concerned with their operation. *Professor Bland, staff and visitors*

179. MONUMENTAL BUILDINGS. Points of view concerning significant buildings in the 19th and 20th centuries. A consideration of contemporary criticism. Related to Course 160.

2 lectures per week, session. *Professor Bland*

180. PROFESSIONAL PRACTICE. Essential characteristics and more important phases of the architect's work; relationship to the owner; responsibility; business conduct; fees; supervision; arbitration; issuing of certificates; competitions; standard forms of contracts; payment; liens; servitudes; public health; building regulations.

1 lecture per week, session. *Mr. W. A. Johnson*

181. SPECIFICATIONS. Principles of writing architectural specifications; discussion of actual specifications; essays on common building materials; practice in specifying for common trades.

1 lecture per week, session. *Professor Balharrie*

Textbooks: Sleeper, Architectural Specifications (Wiley); National Building Code (Queen's Printer); N.H.A. Specifications.

860. TECHNICAL PAPER. (See page 1449.)

DEPARTMENT OF CHEMICAL ENGINEERING

Professor	J. B. PHILLIPS, *Chairman*
Assistant Professors	W. J. M. DOUGLAS
	K. A. SHELSTAD
Demonstrators	———
Special Lecturer	WILLIAM GAUVIN

THIRD YEAR

240. CHEMICAL ENGINEERING PROBLEMS. Applications of physical and chemical principles to some fundamental problems in Chemical Engineering.

1 lecture and 2 hours problems per week, session *Professor Phillips*

830. TECHNICAL PAPER. (See page 1449.)

FOURTH YEAR

260. CHEMICAL TECHNOLOGY. Technology of chemical industries: acids; alkalis; gases; organic synthesis and pressure processes; petroleum products; wood pulp and synthetic fibres; materials of construction; flow-sheets; economic principles.

2 lectures per week, session. *Professor Phillips*

Reference book: Shreve, Chemical Process Industries (McGraw-Hill).

264. ELEMENTARY CHEMICAL ENGINEERING. Stoichiometry, with applications in combustion and some manufacturing processes; thermodynamic properties of systems; physical chemistry of solutions; introduction to fluid flow and to heat transfer by conduction.

2 lectures per week, session. *Professor Shelstad*

Textbook: Arnold, Chemical Engineering Stoichiometry (The Author).

266. INORGANIC CHEMICAL TECHNOLOGY. First term of Course 260.

2 lectures per week, first term. *Professor Phillips*

268. THERMODYNAMICS. The first law, including enthalpy balances, heats of reaction, flow processes; the second law; thermodynamic cycles and charts; elementary chemical reaction equilibria.

2 lectures per week, session. *Professor Douglas*

Textbook: Weber, Thermodynamics for Chemical Engineers (Wiley).

270. SUMMER SCHOOL. Lectures and laboratory work in flow of fluids, filtration, unit processes; technical analysis; shop practice. Experimental illustration of thermodynamical principles; report writing.

840. TECHNICAL PAPER. (See page 1449.)

FIFTH YEAR

280. CHEMICAL ENGINEERING (A). Study of unit operations based on thermodynamics: heat transfer; evaporation; dimensional analysis; nomographic charts; assigned problems.

3 lectures per week, session. *Dr. Gauvin*

Textbook: Walker, Lewis, McAdams and Gilliland, Principles of Chemical Engineering (McGraw-Hill).

282. CHEMICAL ENGINEERING (B). Study of unit operations based on diffusional processes: absorption; extraction; distillation; drying; humidification; assigned problems.

3 lectures per week, session. *Professor Douglas*

Textbook: as for Course 280.

284. CHEMICAL ENGINEERING DESIGN. Methods and calculations in the design of chemical process equipment. Economic balance in processes. Instrumentation.

2 lectures per week, second term. *Professor Phillips*

286. CHEMICAL ENGINEERING LABORATORY. Experiments in the topics discussed in Courses 280 and 282, with reports; supervised problem periods in related work.

3 hours laboratory and 3 hours problems per week, session.

Professors Douglas and Shelstad

288. THERMODYNAMICS. Advanced topics in refrigeration and evaporation; physical equilibria and properties of non-ideal systems. Chemical reaction equilibria, equilibrium conversion, and estimation of equilibrium constants from thermal data.

2 lectures per week, session. *Dr. Gauvin*

Reference book: Dodge, Chemical Engineering Thermodynamics (McGraw-Hill).

850. TECHNICAL PAPER. (See page 1449.)

POSTGRADUATE COURSES

Graduates in Chemical Engineering may proceed, if their work has been of sufficiently high standard, to the Master's degree in Chemistry or in Chemical Engineering. See Announcement of the Faculty of Graduate Studies and Research.

DEPARTMENT OF CHEMISTRY

Professors
CARL A. WINKLER, *Chairman*
C. B. PURVES
L. YAFFE

Associate Professors
R. K. HOLCOMB
J. H. MENNIE
R. V. V. NICHOLLS
A. S. ROSS
H. I. SCHIFF
A. TAURINS

Assistant Professors
J. T. EDWARD
G. E. JUST
M. ONYSZCHUK
R. F. ROBERTSON
A. SEHON

Research Associates D. A. I. GORING
O. MAASS
R. ST. J. MANLEY
S. G. MASON
W. A. MUELLER
A. A. ROBERTSON
T. TIMELL

Senior Instructor C. E. DROVER

FIRST YEAR

902 (Arts and Science 11). GENERAL CHEMISTRY. A general survey of Inorganic Chemistry. This includes Atomic and Kinetic-Molecular theory, the theory of Ionization, with elementary examples of ionic equilibrium, rates of chemical reaction, law of mass action, oxidation and reduction, the electromotive series of the metals, the Periodic Law and the Electronic theory of Valence. The preparation and properties of the more important elements and their compounds in relation to atomic and molecular structures are emphasized.

2 lectures per week. *Professors Just, Nicholls, Onyszchuk, Winkler and Yaffe*

1 tutorial per week. *Professors Holcomb, Nicholls and Onyszchuk*

Textbook: Graham and Cragg, The Essentials of Chemistry (Clarke-Irwin).

Laboratory: The lectures are supplemented by descriptive and quantitative experiments, including volumetric analysis, illustrative of the important principles and theories.

3 hours per week. *Professors Holcomb, Nicholls and Onyszchuk*

SECOND YEAR

922. PHYSICAL CHEMISTRY (ELEMENTARY). A survey of physico-chemical theory and experimental methods, with problems to illustrate physico-chemical principles and to provide practice in handling experimental data and dimension units.

2 lectures and 1 hour tutorial per week. *Professors Schiff and Sehon*

Textbook: Glasstone, Elements of Physical Chemistry (Van Nostrand).

THIRD YEAR

940 (Arts and Science 21). SYSTEMATIC INORGANIC CHEMISTRY. A systematic, detailed description of the properties of the elements and their compounds based upon the periodic classification of the elements. This includes an

introduction to the relation between properties, structure and types of bonding.

2 lectures per week. *Professors Holcomb and Onyszchuk*

Textbook: Partington, Textbook of Inorganic Chemistry (Macmillan).

944 (Arts and Science 23). INORGANIC QUANTITATIVE ANALYSIS (ELEMENTARY). Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods.

Laboratory: Simple gravimetric determinations; typical volumetric procedures including precipitation, neutralization, and oxidation-reduction methods. All samples are solids which must be weighed and brought into solution by the student.

1 lecture and 6 hours laboratory per week. *Professor Mennie*

Textbook: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

948 (Arts and Science 22). ORGANIC CHEMISTRY (ELEMENTARY).

(a) A survey of the special characteristics of carbon and its compounds, stressing the principal families of compounds and their reactions and dealing mainly with those involving single functional groups.

2 lectures and 1 tutorial per week. *Professors Purves and Nicholls*

Textbook: to be announced.

(b) A commentary on the nomenclature, occurrence, preparation, properties, and uses of the more important classes of carbon compounds, and on the principles of functionality, homology and isomerism. A continuation of course (a) in greater detail, so as to include polyfunctional compounds.

2 lectures and 1 tutorial per week. *Professors Purves and Nicholls*

Textbook: to be announced.

950 (Arts and Science 22 laboratory). ORGANIC CHEMISTRY LABORATORY (ELEMENTARY). Experiments illustrative of Courses 948a and b.

3 hours per week. *Professors Taurins and Edward*

Laboratory Text: Fieser, Experiments in Organic Chemistry, 3rd ed. (Heath and Co.).

954 (Arts and Science 73). INORGANIC QUANTITATIVE ANALYSIS (ELEMENTARY). Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods.

Laboratory: Representative gravimetric and volumetric laboratory procedures.

1 lecture and 3 hours laboratory per week. *Professor Mennie*

Textbook: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

Course 954 is the same as course 944 except for a reduction in laboratory hours.

FOURTH YEAR

962 (Arts and Science 32). ORGANIC CHEMISTRY (ADVANCED). A course in descriptive organic chemistry at an advanced level. It develops and extends the material presented in Courses 948a and b. Special consideration is given to the following topics: polyfunctional compounds, aromatic substances, heterocyclic compounds and terpenes.

2 lectures per week. *Professor Just*

Textbook: to be announced.

Laboratory: (Arts and Science 32L).

6 hours per week. *Professor Just*

Textbooks: Fieser, Experiments in Organic Chemistry, 3rd ed. (Heath and Co.); Shriner, Fuson and Curtin, The Systematic Identification of Organic Compounds, 4th ed. (Wiley).

964 (Arts and Science 35). CHEMICAL THERMODYNAMICS AND ELECTROCHEMISTRY. First and second laws, entropy, free energy, activity and fugacity in ideal and real solutions. Solutions of strong electrolytes. Electrode potentials, electrochemical cells, electrolytic conduction and electrolysis, specific and equivalent conduction, mobility and transport numbers, overvoltage and polarization.

3 lectures per week. *Professor Robertson*

Textbooks: Koltz, Chemical Thermodynamics (Prentice Hall); Lewis and Randall, Thermodynamics (McGraw-Hill); Glasstone, Introduction to Electrochemistry (Van Nostrand); MacInnes, The Principles of Electrochemistry (Reinhold).

966 (Arts and Science 40). CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS. Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical, and mechanical properties; experimental methods for controlling and determining the structures of polymers; properties of commercially available materials; methods of fabrication.

1 lecture per week *Professor Nicholls*

968 (Arts and Science 34L). PHYSICAL CHEMISTRY LABORATORY (INTERMEDIATE). Simple physico-chemical methods of investigating kinetic and thermo-dynamic properties of gases, liquids and solutions.

3 hours per week *Professor Ross*

Textbook: Daniels, Matthews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Livingston, Physico Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

FIFTH YEAR

982 (Arts and Science 44). KINETIC THEORY AND CHEMICAL KINETICS. Description of physical phenomena in terms of statistical distribution functions; concept of cross-section; transport phenomena; dynamics of two-particle encounters; measurement and calculation of rates of chemical reactions; energetics of reactions; theories of reaction mechanism; heterogeneous and homogeneous catalysis.

2 lectures per week. *Professor Sehon*

References: Moelwyn-Hughes, Physical Chemistry (Pergamon Press); Glasstone, Text-book of Physical Chemistry (Van Nostrand); Present, Kinetic Theory of Gases (McGraw-Hill); Laidler, Chemical Kinetics (McGraw-Hill); Trotman-Dickenson, Gas Kinetics (Butterworth).

984. PHYSICAL CHEMISTRY LABORATORY (ADVANCED). Physico-chemical measurements related to the requirements of chemical engineering design and practice.

3 hours per week. *Professor Ross*

Textbook: Daniels, Matthews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Weissberger, Techniques of Organic Chemistry: Vol. I, Physical Methods; Vol. IV, Distillation; Vol. VIII, Investigation of Rates and Mechanisms of Reactions (Interscience); Reilley and Rae, Physico Chemical Methods (Van Nostrand).

986 (Arts and Science 46). COLLOID CHEMISTRY. Descriptive thermodynamic and kinetic treatment of the properties of surfaces, sols, emulsions, and gels.

1 lecture per week. *Professor Robertson*

References: Weiser, Colloid Chemistry, 2nd ed. (Wiley); Adam, Physics and Chemistry of Surfaces, 3rd ed. (Clarendon Press); Brunauer, Absorption of Gases and Vapors, Vol. I (Princeton Univ. Press); Alexander and Johnson, Colloid Science (Oxford); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons and Straumanis, Short Textbook of Colloid Chemistry; Gregg, The Surface Chemistry of Solids (Reinhold).

988. ELECTROCHEMISTRY. Electrolytic conduction and electrolysis; Faraday's laws; specific and equivalent conductance and measurement of conductance; mobility and transport number; theory of strong electrolytes; thermodynamics of cells; electrode potentials; concentration cells; liquid junction potentials; overvoltage and polarization phenomena.

1 lecture per week. *Professor Ross*

Textbook: Glasstone, Introduction to Electrochemistry (Van Nostrand).

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS

Professors	CARLETON CRAIG, *Chairman*
	J. L. DE STEIN
Associate Professors	L. J. ARCAND
	G. W. JOLY
	S. A. NEILSON
	ANDREJS PAKALNINS
	V. W. G. WILSON
Assistant Professors	P. J. HARRIS
	W. MATHISON
	D. A. SELBY
Lecturers	J. ADJELEIAN
	S. I. AHMED
	C. GOLDMAN
	R. YONG
Demonstrators	

320. MECHANICS. Kinematics, dynamics and statics of particles; impulse, impact, and energy methods; friction; analytical and graphical analysis of simple beams and frameworks; graphical statics.

2 lectures and 2 hours problems per week, session.

Professor de Stein and Staff

Textbooks: Higdon and Stiles, Engineering Mechanics (Prentice-Hall); Timoshenko and Young, Engineering Mechanics (McGraw-Hill).

324. SURVEYING. Early practice and origin of instruments; the level—types and limitations; optics; direct and indirect levelling exercises; the compass and its uses; the transit—the vernier, horizontal and vertical angles, types of traverses, stadia; the chain and tape—uses and limitations; units of measurements; latitudes and departures; areas; simple circular curves.

2 lectures per week, second term. *Professor Arcand and Staff*

Textbooks: Breed, Surveying (Wiley); Kissam, Surveying (McGraw-Hill; Davis and Foote, Surveying (McGraw-Hill); Parker and McGuire, Simplified Site Engineering for Architects and Builders (Wiley).

THIRD YEAR

340. MECHANICS. Kinematics, dynamics and statics of systems of particles, and of rigid bodies; variable rectilinear and curvilinear motion; simple harmonic motion, translation and rotation of rigid bodies; internal forces, energy methods, impact, gyroscopes.

2 lectures per week, session. *Professor Joly and Staff*

Textbooks: Higdon and Stiles, Engineering Mechanics (Prentice-Hall); Timoshenko and Young, Engineering Mechanics (McGraw-Hill).

341. STRUCTURAL DRAWING. Introduction to layout and detail drawings for structures in steel, timber, and reinforced concrete.

3 hours per week, first term.

342. MATERIALS OF ENGINEERING. An account of the sources, winning, general properties, trade practices and economics of both non-metallic and metallic materials and their products used in engineering construction and in the manufacturing industries, with emphasis on those not discussed in more detail in subsequent courses.

The Metals section of the course considers the structure and engineering behaviour of metals; solidification theory and casting practice; fabrication methods; availability and costs. Special attention is given to the development and use of irons, steels and the non-ferrous alloys of engineering importance.

1 lecture per week, session. *Professors Pakalnins and Gates*

Textbook: University notes.

350. SURVEYING. Adjustments of level and of transit; theory and use of the polar planimeter; latitudes and departures; areas; plotting co-ordinates; partition of land; missing sides; stadia surveying; cross-sections, grids, and slope stakes; circular curves; vertical curves; the spiral; chaining errors and corrections.

2 lectures per week, first term. *Professor Arcand and Staff*

Textbooks: Breed, Surveying (Wiley); Davis and Foote, Surveying McGraw-Hill).

351. SURVEYING PROBLEMS. Earthwork calculations using polar planimeter; problems in surveying.

3 hours per week, first term. *Professor Arcand and Staff*

Textbook: Sloane and Montz, Elements of Topographic Drawing (McGraw-Hill).

352. SURVEY SCHOOL. Training in use of hand level; surveyor's compass; level and transit. Pacing and chaining of polygons; topographic details by offsets and by stadia; profiles; circular curves; calculations of areas; plotting of grid and topographic maps.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

360. STRUCTURAL DESIGN I. Beams; plate girders; columns; roof trusses; riveted and welded connections; working drawings; estimating quantities and costs.

2 lectures and 2 hours problems per week, first term (architects only).

2 lectures and 2 hours problems per week, second term.

Professors Joly and Selby

Textbooks: Williams and Harris, Structural Design in Metals (Ronald); Steel Construction (A.I.S.C.); Standard Specifications for Steel Structures for Buildings (C.S.A.).

362. FOUNDATIONS AND MASONRY. Soil structure, soil properties and characteristics, subsurface exploration methods, bearing capacity of soils, settlement and consolidation, lateral earth pressure theories, design of footings and retaining walls.

1 lecture per week, 3 hours problems per week, session. *Mr. Young*

Textbook: Capper and Cassie, Mechanics of Engineering Soils (McGraw-Hill).

Reference Books: Tschebotarioff, Soil Mechanics, Foundations, and Earth Structures (McGraw-Hill); Terzaghi, Theoretical Soil Mechanics (Wiley); Taylor, Fundamentals of Soil Mechanics (Wiley).

363. FOUNDATIONS AND MASONRY. Similar to course 362.

1 lecture per week, session.

3 hours problems per week, second term.

364. HYDRAULICS AND LABORATORY. Properties of fluids; hydrostatics; measurement of flow with orifices, weirs and Venturi meters; Bernoulli's theorem; laminar and turbulent flow; flow in pipes and open channels; divided flow.

2 lectures per week, first term. *Professor Wilson*

3 hours laboratory per week, first term. *Professor Wilson and Staff*

Textbook: Daugherty and Ingersoll, Fluid Mechanics, 5th ed. (McGraw-Hill).

368. MAP PROJECTIONS. Graphical determination of spherical triangles; spherical projections; construction of maps.

1 lecture and 2 hours problems per week, first term. *Professor Arcand*

371. HIGHWAY ENGINEERING. Surveys, grades, curvature, earthwork, paving materials, economics of location, location project, and estimate.

2 lectures per week, first term.

3 hours problems per week, first term. *Professor Pakalnins*

Textbooks: Allen, Railway Curves and Earthwork (McGraw-Hill); Williams, Design of Railway Location (Wiley); Tratman, Railway Track and Trackwork (McGraw-Hill); Bruce, Highway Design and Construction (Int. Textbook Co.); Tschebotarioff, Soil Mechanics, Foundations, and Earth Structures (McGraw-Hill); University notes.

372. RAILWAY ENGINEERING. Surveys, grades, curvature, earthwork, velocity profile, economics of location and operation.

1 lecture per week, second term.

3 hours problems per week, second term.

373. STRENGTH OF MATERIALS. Stress, strain, resilience, and elastic properties of materials; bending moment and shear diagrams; simple, fixed, and continuous beams; reinforced concrete beams; torsion and bending in shafts and springs; columns; bending combined with direct stress; elementary consideration of compound stresses; distribution of shear.

2 lectures per week, session. *Professor de Stein and Staff*

3 hours laboratory per week, second term. *Professor Wilson and Staff*

Reference books: Morley, Strength of Materials (Longmans Green); Timoshenko-MacCullough, Elements of Strength of Materials (Van Nostrand); Warnock, Strength of Materials (Pitman); Muhlenbruch, Experimental Mechanics and Properties of Materials (Van Nostrand).

376. SURVEYING AND ASTRONOMY. Surveying for construction; marine and box sextants; the alidade and its use; barometric and trigonometric levelling; hydrographic surveying; mine surveying; elements of geodetic surveying; historical and practical astronomy; solution of the ZPS triangle for azimuth, latitude, longitude, and time.

2 lectures per week, session. *Professor Arcand*

Textbooks: Davis and Foote, Surveying (McGraw-Hill); Hosmer and Robbins, Practical Astronomy (Wiley); Rayner, Advanced Surveying (Van Nostrand); Kissam, Surveying for Civil Engineers (McGraw-Hill).

377. SURVEY SCHOOL. Preliminary railway or highway survey with transit, profile, and topography parties; plane table, hand level, and stadia; spiral curves; cross-sections; simple triangulation networks; reciprocal

levelling; soundings; current-meter surveys; introduction to mine surveying; small geological survey with Brunston compass and chain; astronomical observations.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

380. STRUCTURAL DESIGN II. Selection and design of members; riveted and welded connections; timber details and design; loading for bridge and building design; building frames; bridge design; economic factors in design.

1 lecture and 3 hours problems per week; first term

2 lectures and 5 hours problems per week; second term.

Professor de Stein

Textbooks: Sutherland and Bowman, Structural Design (Wiley); Williams and Harris, Structural Design in Metals (Ronald).

381. DYNAMICS AND VIBRATION. Rotating axes; Lagrange equations; kinematics of vibration; complex representation; damping; resonance; coupled systems.

(*Given in 1959-60 and alternate years.*)

1 lecture per week, first term; 2 lectures per week, second term.

Professor Craig

Reference books: Den Hartog, Mechanical Vibrations (McGraw-Hill); Timoshenko, Vibration Problems in Engineering (Van Nostrand); Von Karman and Biot, Mathematical Methods in Engineering (McGraw-Hill).

One of courses 381 and 383 is given each year to both Fourth and Fifth year students in the applied mechanics option. The courses are given from the engineering point of view, with special attention to methods of approximation.

382. FOUNDATIONS AND REINFORCED CONCRETE. Design of footings, retaining walls, stability of slopes, and underpinning. Bearing piles, pile caps, sheet piling.

2 lectures per week and 3 hours problems per week, second term.

Professors Harris and Selby

Textbooks: As specified for Courses 362 and 390.

383. FLUID MECHANICS. Dimensiional analysis; kinematics of fluid flow; mechanics of resistance; boundary layers; open channel flow; dynamic lift and propulsion.

(*Given in 1960-61 and alternate years.*)

1 lecture per week, first term; 2 lectures per week, second term.

Professor Craig

Reference books: Rouse, Fluid Mechanics for Hydraulic Engineers (McGraw-Hill); Hunsaker and Rightmire, Engineering Applications of Fluid Mechanics (McGraw-Hill).

384. GEODESY. Adjustment and reduction of observations for horizontal and vertical control systems; figure of the earth; determination of azimuth, latitude, and longitude; level datum planes; gravimetric surveys; errors of observation; shoran trilateration.

Reference books: Hosmer, Goedesy (Wiley); Sharp, Geodetic Control Surveying (Wiley).

2 lectures per week, second term. *Professor Arcand*

385. GEODETIC LABORATORY. Measurement of magnifying power, of eccentricity of circles, and of small angles with sextant; determination of gravity, of error of run of theodolite microscopes, of constant of steel tapes, and of scale value of level vials; investigation of errors of graduation of steel bars and tapes and of transit circles; testing aneroid barometers.

3 hours per week, second term. *Professor Arcand*

386. HYDRAULIC MACHINES. Hydraulic problems in design and operation of hydro-electric projects; characteristics of impulse, reaction, and propeller turbines; specific speed; unit power; reduction of model tests; flow measurements for tests; centrifugal pumps.

2 lectures per week, second term. *Professor Wilson*

Textbooks: Creager and Justin, Hydro-Electric Handbook (Wiley), Hunsaker and Rightmire, Engineering Applications of Fluid Mechanics (McGraw-Hill).

Reference book: Daugherty and Ingersoll, Fluid Mechanics, 5th ed. (McGraw-Hill).

387. MUNICIPAL ENGINEERING. Basic engineering and biological principles of the design and construction of water supply and purification systems, and sewerage and sewage disposal works, with selected problems.

2 lectures and 3 hours problems per week, first term.

2 lectures per week, second term. *Professor Pakalmins*

Textbook: Steel, Water Supply and Sewerage (McGraw-Hill).

388. PHOTOGRAMMETRY AND LABORATORY. History and development; definitions, stereoscopy; parallax formulae; topographic mapping; photo interpretation; field control; tilt; radial line plotting; mosaics; oblique photography; mapping instruments.

2 lectures per week, second term; 3 hours laboratory per week, second term.

Textbook: Sharp, Practical Photogrammetry (MacMillan); L. G. Trorey, Handbook of Aerial Mapping and Photogrammetry (Macmillan).

Reference Books: Bagley, Aero Photography and Aero Surveying (McGraw-Hill); Gruber, Photogrammetry (Chapman and Hall); Manual of Photogrammetry (American Society of Photogrammetry).

390. REINFORCED CONCRETE. Analysis of reinforced concrete sections, design of continuous beams and slabs. Diagonal tension, bond and anchorage stresses. Economic considerations in framing systems.

2 lectures and 2 hours problems per week, first term. *Professor de Stein*

Reference books: Sutherland and Reese, Reinforced Concrete Design (Wiley); Standard Specifications for Concrete (C.S.A.); Large, Basic Reinforced Concrete Design (Ronald).

391. STRENGTH OF MATERIALS. Bending and deflection of beams loaded and supported in any manner; deflection due to shear; principle of least work applied to beams and to statically indeterminate problems; bending of curved bars and of unsymmetrical sections; elastic strains; relation between elastic constants; thick shells.

2 lectures per week, first term. *Professor Joly*

Reference books: Morley, Strength of Materials (Longmans Green); Seely and Smith, Advanced Mechanics of Materials (Wiley).

392. THEORY OF STRUCTURES. Analysis of statically determinate frames under fixed or moving loads; influence lines, deflection of framed structures, braced arches of two and of three hinges; moment distribution, energy methods, principle of least work, analysis of rigid frames and hingeless arches, compound stresses, relations among elastic constants, stresses in curved beams and in thick tubes, theories of failures.

2 lectures and 5 hours problems per week, first term

2 lectures and 3 hours problems per week, second term. *Professor Craig*

Reference books: Sutherland and Bowman, Structural Theory (Wiley); Shedd and Vawter, Theory of Simple Structures (Wiley); Seely and Smith, Advanced Strength of Materials (Wiley).

393. ENGINEERING ANALYSIS. Applications of probability, statistics, queueing theory, linear programming, and games theory to problems in engineering design, control and systems analysis.

2 hours per week, session. *Professor Craig*

Reference Books: Goode and Machol, Systems Engineering (McGraw-Hill); Morse, Queues, Inventories and Maintenance (Wiley); Saaty, Mathematical Methods of Operations Research (McGraw-Hill).

394. SURVEY SCHOOL. Practical engineering astronomy, with emphasis on the determination of latitude and azimuth; geodetic astronomy including Bell's method; precise levelling; precise triangulation, with related problems and base line measurements. Equipment available includes transists, precise and semi-precise levels, optical theodolites of various types, sextants, radio equipment for time signals, Monroe calculators.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

395. URBAN PLANNING. Urban transportation systems and related problems, general principles of planning, design and development of residential subdivisions.

1 lecture per week, session. *Professor Pakalnins*

Textbook: Kostka, Planning Residential Subdivisions (University of Manitoba 1954).

399. STRUCTURAL DESIGN II. Similar to course 380.

1 lecture and 3 hours problems per week, first term.

850. TECHNICAL PAPER (see page 1449).

SURVEYING SUMMER SCHOOLS

Surveying field work is required of all students entering the Third year, except those taking Chemical Engineering, of students entering the Fourth year in the courses in Civil and in Mining Engineering. A Survey School for Fourth year students is held in the Spring after the Fourth year if twelve or more students signify their intention of attending it by the preceding January. All schools will begin in 1960 on or about April 25th and will continue for four weeks.

Students entering Third and higher years from other universities or from other faculties, who cannot attend the above courses in Field Work must attend Special Summer Schools, details of which are given on page 1447.

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING

For particulars of graduate courses offered in Civil Engineering and qualifications for entering the Graduate Faculty, see the Announcement of the Faculty of Graduate Studies and Research.

The Miron Fellowship for postgraduate research in some field of Applied Science related to the concrete industry, and the John Bonsall Porter Scholarship in any field of research, are open to any student admitted for postgraduate work in the Department of Civil Engineering. For further particulars see the University Scholarships Announcement.

*OPTIONAL COURSES IN FIRST YEAR

DEPARTMENT OF BOTANY

1402. (Arts and Science 100a and 100b.) ELEMENTARY BOTANY (Half course). This half course is given as two identical sections, one in the Fall term, the other in the Spring. The student may elect either section. If Botany 100a is taken, Zoology 100b must be taken in the Spring term of the same session. If Botany 100b is taken, Zoology 100a must have been taken in the Fall term of the same session. A student may take only one section of Botany or one section of Zoology per term. A section of Botany and a section of Zoology must be taken in the same academic year.

Botany 100 (a or b) is an introductory course in Botany dealing with the anatomy, cytology and physiology, etc. of plants and their importance as living organisms.

2 hours lectures and 3 hours laboratory

Professors Roscoe, Wilson, Boll, and Maycock.

Note: Botany 100 (a or b) together with Zoology 100 (b or a) really constitutes a course which might be called "Biology 100" and the student must take a half course in Botany and a half course in Zoology, but in different terms.

DEPARTMENT OF CLASSICS

LATIN

1425 (Arts and Science 1). BEGINNERS' LATIN.

3 hours per week, session. *Members of the Department*

Textbook: Latin, College Outline Series, Wheelock.

1426 (Arts and Science 2). INTERMEDIATE LATIN.

3 hours per week, session. *Members of the Department*

For those students only who have completed Latin 1.

Textbooks: To be announced.

1427 (Arts and Science 100). LATIN.

3 hours per week, session. *Members of the Department*

Textbooks: To be announced.

*Students are advised to make a careful choice at the time of registration since the scheduling of First year lectures precludes any changes after the day of registration.

DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE

1430 (Arts and Science 100). ECONOMIC HISTORY. Evolution of economic institutions; the ancient empires; economic and social aspects of the decline and fall of the Roman Empire; mediaeval agrarian economy; fairs, towns, and trading companies; mediaeval money; the voyages of discovery; religion and the rise of capitalism; nationalism and mercantilism; the colonial system; the beginnings of modern banking; the great inventions and the factory system; North American industrial development; trade unions and the co-operative movement; legislative protection of the worker; international finance; rise and fall of the gold standard; evolution of the central banking function; recent economic changes.

3 hours per week, session. *Professor F. C. James*

DEPARTMENT OF GEOGRAPHY

1442 (Arts and Science 121). (1) THE ELEMENTS OF PHYSICAL GEOGRAPHY. Scientific study of man's habitat. The course is divided into two main parts:

A. Lands and seas. Study of landscape evolution under different climates; general characteristics and circulation of ocean waters; distribution of plants and animals.

B. The atmosphere. Measurement of physical properties of atmosphere; weather processes; world climates, principal types, causes, and characteristics; climatic control of human activity.

3 hours per week, session. *Professor N. Drummond*

DEPARTMENT OF GERMAN

1450 (Arts and Science 101). GERMAN LANGUAGE (Beginners' Course).

3 hours per week, session. *Professor Bertha Meyer and Dr. Victor Block*

Textbooks: Curts, Basic German, Revised Edition (Prentice-Hall, 1946); Fiedler and Sandbach, First Science Reader for German Students (Oxford Univ. Press).

1451 (Arts and Science 102). GERMAN SCIENCE READING COURSE (Full course). Half the course will be devoted to teaching the method of translation, the second half to actual translation of texts.

2 hours per week, session. *Dr. Victor Block*

Prerequisite: German 1 or German 3 or Matriculation in German.

Textbook: C. V. Pollard, The Practical Solution to German Translation (University Co-op, Austin, Texas).

1455 (Arts and Science 100). RUSSIAN LANGUAGE. Reading, grammar, translation, oral practice.

3 hours per week, session. *Mr. Litwinowicz*

Texts: G. A. Znamensky, Conversational Russian (Ginn); A. Semeonoff, A New Russian Grammar (Dent).

DEPARTMENT OF HISTORY

1460 (Arts and Science 100). EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS.

3 hours per week, session.

Professors C. C. Bayley, Zagorin and Mr. Vogel

FACULTY OF MUSIC

The courses in Music are open to those who have the qualifications for the regular courses of Music given in the Faculty of Music. The first course of Music is for those who have offered Music as a Matriculation subject.

1480 (Arts and Science 1). FIRST COURSE. HARMONY 101.

3 hours per week, session.

An elementary course in written and keyboard harmony comprising a study of the following harmonic materials and techniques:

Triads and dominant seventh chords in all dispositions and inversions; principles of chord progression; part-writing drills; study of the conventional harmonic formulas and cadences; harmonic analysis; harmonization of melody and bass (unfigured) in Bach chorale style using triads, dominant seventh chords and elementary modulations; improvisation of short chorale melodies and of short harmonic progressions.

Texts: McHose, Basic Principles of the Techniques of 18th and 19th Century Composition (Chs. 13-31); McHose, Keyboard and Dictation Manual (Chs. 1-9).

Students will also be required to devote three hours weekly to aural training.

DEPARTMENT OF ROMANCE LANGUAGES

NOTE:—For lists of textbooks used in French 1493 and Spanish 1495 courses refer to the Announcement of the Faculty of Arts and Science. Book lists for *French 1491* will be issued to students at first class meeting.

FRENCH

French only is used in lectures, except during composition periods.

Both oral and written examinations are held on each year's work.

The oral examination counts for 50 per cent of the total mark.

1491 (Arts and Science French 11). (Advanced)

General survey of French civilization, literature and science from the XVIIIth century to the present day; French composition. Enrolment in French 1491 is restricted to students whose first language is French and those primarily English-speaking students who have achieved first-class standing in French in their School Certificate or High School Leaving examinations, and who pass a test set by the Instructor at the beginning of the session.

3 hours per week, session. *Mr. M. Rabotin*

1493 (Arts and Science French 13). General survey of French civilization. Readings, composition and French grammar review.

3 hours per week, session. *Professors L. d'Hauteserve and T. Romer*

SPANISH

1495 (Arts and Science Spanish 11).

Grammar; reading and dictation; oral exercises and composition.

3 hours per week, session. *Professor Robina E. Henry and Staff*

DEPARTMENT OF ZOOLOGY

1402 (Arts and Science 100a and 100b). ELEMENTARY ZOOLOGY (Half course). This half course is given as two identical Sections, one in the Fall term (Section "a"), the other in the Spring (Section "b"). The student may elect either Section. If Zoology 100a is taken, Botany 100b must be take in the Spring term of the same session. If Zoology 100b is taken, Botany 100a must have been taken in the Fall term of the same session. A student may take only one Section of Zoology or Botany per term. A Section of Zoology and a Section of Botany must be taken in the same academic year.

Zoology 100a (or b) is an introductory course in Zoology, dealing with the anatomy, physiology, etc., of the vertebrate animals, with particular reference to the evolution of Man.

2 hours lectures and 2 hours laboratory per week in the chosen term.

Section "a" *Professor Berrill*

Section "b" *Professor Stanley*

Text: Storer and Usinger, *General Zoology* (McGraw-Hill)

NOTE: Zoology 100a (or b) together with Botany 100b (or a) really constitutes a course which might be called "Biology 100," and the student must take both halves of this in the one session, but in different terms. It is prerequisite to all other courses in Zoology.

DEPARTMENT OF ELECTRICAL ENGINEERING

Professors	G. L. D'OMBRAIN, *Chairman* F. S. HOWES
Professor (Post-retirement)	G. A. WALLACE
Associate Professors	G. W. FARNELL T. J. F. PAVLASEK W. H. SCHIPPEL
Assistant Professors	T. H. BARTON R. P. COMSA
Lecturer	P. SYLVESTER
Demonstrators	

THIRD YEAR

440. CIRCUIT ANALYSIS. The fundamentals of the analysis of the response of linear circuits to steady, time varying periodic and non-periodic currents and voltages.

2 lectures, 3 hours laboratory and 3 hours problems, second term.

Textbook: Fitch and Potter, Theory of A.C. Circuits (Prentice-Hall).

441. CIRCUIT ANALYSIS. Similar to course 440, but with additional lectures in the first term.

2 lectures per week, session. 3 hours problems per week, second term.

Textbook: Fitch and Potter, Theory of A.C. Circuits (Prentice-Hall).

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

460. ELECTRICAL THEORY AND MEASUREMENTS. More advanced linear circuit theory including transient behaviour and circuits with distributed constants also simple filters. The fundamentals of electrical measurements including indicating instruments, simple bridges and oscilloscopes. The fundamentals of acoustics. The fundamentals of illumination.

3 lectures per week throughout the session.

461. ELECTRONICS AND COMMUNICATIONS. The fundamentals of thermionic, photo-electric, secondary and high field emission and of conduction through gases. The characteristics of rectifiers and small signal amplifiers using vacuum, gas-filled and solid-state devices. The piecewise-linear analysis of electronic circuits. Simple oscillators. Considerations of frequency, band-width, speed of signalling and the effect of noise on the communication of intelligence. Simple examples of communication systems.

2 lectures per week throughout the session.

462. ENERGY CONVERSION AND TRANSMISSION. Fundamental concepts of energy conversion in rotating electrical machines, transformers and rectifiers. Three phase circuits, transmission and distribution systems and methods of control. Simple considerations of direct-current and alternating current motors and generators. Characteristics and starting methods.

2 hours per week throughout the session.

463. LABORATORY. The work in the laboratory is designed to corroborate and supplement the work content of the lecture courses.

6 hours per week throughout the session.

464. TUTORIALS. These periods enable the student to consolidate the content of the lectures.

6 hours per week first term, 3 hours per week second term.

465. LABORATORY. The work in the laboratory is designed to corroborate and supplement the work content of lecture course 461. Similar to course 463.

3 hours per week, session.

470. ELEMENTS OF ELECTRICAL ENGINEERING. Construction, principles of operation, and characteristic curves of both direct- and alternating-current generators and motors; single-phase, two-phase and three-phase machinery; direct-current and alternating-current transmission and distribution; transformers with star and delta connections; correction of power factor; rectifiers.

2 lectures per week, session.

Textbook: Gray and Wallace, Principles and Practice of Electrical Engineering (McGraw-Hill).

472. ELECTRICAL ENGINEERING LABORATORY. Operating characteristics of direct-current and of alternating-current generators and motors; transformers; circuits containing resistance, inductance, and capacitance: series and parallel resonance; power-factor correction.

3 hours per week, session.

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

480M. ELECTRICAL THEORY AND MEASUREMENTS. Fourier series and Fourier integrals. Frequency response of quadripoles and simple filters. Transient response of linear systems, Laplace techniques. Distributed systems. Maxwell equations. Plane wave in free space. Guided waves. Radiation and radiating systems. Absolute and international standards. Direct current measurements. 60 c/s and audio-frequency measurements. Radio-frequency measurements. Photometric measurements.

3 lectures per week, session.

481M. ELECTRONIC DEVICES. Rectifier tubes; gas diodes and triodes; semiconductor diodes, etc. Rectifier circuits; single-phase and polyphase low and high power. D.C. and H.F. amplification. Vacuum tube and transistor low and high power amplifiers. Magnetic amplifiers. Wave-shaping and switching circuits. Oscillators. Electron ballistics with applications to micro-wave amplification; klystrons, magnetrons and travelling wave tubes.

2 lectures per week, session.

482M. CONTROL ENGINEERING. Open and closed loop control. Consideration of simple processes and their representation by linear differential equations. Representation of cascaded transfer lags and distance velocity lags. Determination of transient response. Closed loop stability as a function of the pole zero location. Nyquist, inverse Nyquist and Bode diagram representation. Components of servomechanism and process systems. Proportional integral and derivative control modes. Single loop and multiloop systems. Measurement transducers for mechanical and process systems.

2 lectures per week, first term.

483M. COMBINED ELECTRICAL LABORATORY.

6 hours per week, session.

484M. COMBINED ELECTRICAL TUTORIAL.

4 hours per week, session.

485M. ENERGY CONVERSION AND TRANSMISSION. Classical treatment of d.c. shunt excited machine, induction motor and synchronous machine. Unified theory of rotating machines based on magnetically coupled circuits in motion. Steady state performance of d.c. machines, rotating amplifiers, induction motors (single and polyphase), synchronous machines and frequency changers. Transient performance of rotating amplifiers and the polyphase alternator.

Characteristics of overhead lines and cables. Determination of line constants. Equivalent π and T networks, rigorous solution. Symmetrical

component theory. Short-circuit calculations. Circuit breaker theory. Principles of relay protection. Grounding and lightning protection. Consideration of system stability. Introductions to standards and CESA code.

3 lectures per week, session.

486M. COMMUNICATIONS. Signals and their spectra. Information and the rate of transmission of information. Noise. Modulation and detection. Transmission lines in communication circuits. Characteristics of radio waves. Audio frequency systems. Information in broadcasting, television and radar systems. Communication system planning.

3 lectures per week, session.

487M. ACOUSTICS. Radiation of sound. Acoustic components. Sound in enclosures. Noise control. Acoustic and vibration measurements and control. Physchoacoustic phenomena.

2 lectures per week, first term. 3 hours laboratory per week, first term.

488M. ELECTRICAL MACHINE DESIGN. Application of electrical theory to the design of electrical power equipment. Preliminary outline, and adjustment to meet specifications, followed by detail design and calculation of electrical constants and characteristics. Application of this procedure to D.C. motor and generator, synchronous machine, induction motor, transformer, reactor.

2 lectures per week, first term. 3 hours laboratory per week, first term.

489M. RADIO ENGINEERING DESIGN. Design of Class C amplifier; single and pushpull tank circuits; plate-modulated Class C amplifier; Hartley or Colpitts power oscillator. Design of impedance matching, power splitting and phase shifting networks for antennae. Design of directional antennae array.

2 lectures per week, second term. 3 hours laboratory per week, second term.

490M. CONTROL ENGINEERING DESIGN. Performance criteria. Bode diagram applied to design. Non-minimum phase systems. Root-locus technique. Simple statistical considerations. Effect of non-linearities, the use of time series methods. Role of analogue computer in design. The characteristics of servomotors, rotating amplifiers, hydraulic pumps and motors, etc.

2 lectures per week, second term. 3 hours laboratory per week, second term.

491M. ELECTROMAGNETIC FIELD THEORY. Revision of vector analysis, electrostatic and magnetostatic fields. Poisson's and Laplace's equation. Maxwell's equations, Poynting's equation, time varying fields.

492M. NUMERICAL ANALYSIS. A discussion of some of the methods available for the solution by numerical analysis of equations arising in linear and non-linear electrical engineering problems.

2 lectures per week, first term. 3 hours problems per week, first term.

493M. MATHEMATICAL MACHINE METHODS. The application of digital machines to the solution of equations arising in engineering problems using methods developed in course 492M.

2 lectures per week, second term. 3 hours problems per week, second term.

494M. ELECTRICAL THEORY AND MEASUREMENTS. Similar to course 480M, but second term lectures only.

3 lectures per week, second term.

495M. COMBINED ELECTRICAL LABORATORY. Similar to course 483M, but reduced in content.

3 hours per week, session.

498. ELECTRICAL SERVICES. Production, measurement, and control of light; design of lighting systems; electrical distribution in residential and commercial buildings; Canadian Electrical Code. Given in alternate years. (*Given in 1960-61.*)

2 lectures per week, first term. *Professors Wallace and Schippel*

850. TECHNICAL PAPER (see page 1449).

POSTGRADUATE COURSES

Graduate courses and research facilities are provided for students working for the degrees of M.Eng. and Ph.D. in Electrical Communication Engineering, and the degree of M.Sc. in Electrical Communications. Details are given in the Calendar of the Faculty of Graduate Studies and Research.

ENGINEERING PRACTICE

Coordinator of courses and Lecturer in Reports and Public Speaking	S. A. NEILSON
Lecturers in Engineering Practice	R. G. K. MORRISON T. SALMAN R. N. MORRISON
Lecturer in Reports and Public Speaking	D. SELBY
Lecturer in Engineering Law	HON. MR. JUSTICE G. S. CHALLIES

A series of related courses designed to acquaint the student with the background of his profession, its relation to others, and its place in society, with some consideration of matters not discussed in the professional courses.

THE ENGINEERING LIBRARY

To assist the student in these and in the professional courses, an extensive collection of books, reference material and periodicals is available for his use in the Engineering Library of the Faculty, situated in the Macdonald Engineering Building. The material is of a sufficiently advanced nature to serve for postgraduate research in Engineering.

Lectures are given by the Engineering Librarian to students in the First and Second years on normal library usage. Instruction is also given to Fourth year students by the Assistant University Librarian on the methodology of bibliographic search as related to research in technology.

FIRST YEAR

1500. CONCEPTS OF ENGINEERING. The course is designed to bring to Freshmen something of the concepts of engineering and will include some history, some biography of great engineers and some indications of engineering philosophy.

One lecture per week, session. *The Dean and Staff*

THIRD YEAR

1540. ENGINEERING REPORTS. Use of English, both oral and written, in engineering practice; mechanics of presentation; graphical representation; reproduction methods; job applications; specifications.

1 lecture per week, session. *Professor Neilson and Staff*

Reference Book: French, Notes on Writing for Students in Engineering (McGill).

FOURTH YEAR

1560. ENGINEERING REPORTS. Continuation of Course 1540.

1 lecture per week, session. *Professor Neilson and Staff*

1561. ENGINEERING PRACTICE I. The planning of investment in engineering projects and industrial plant by determining the quantitative basis for decisions while recognizing the importance of irreducible factors: supply and demand of different types of capital; interest rates; amortization; comparison of alternatives; break even point analysis; depreciation, taxation; financial statements; replacement; valuation; government projects.

Professors Morrison and Salman and Mr. R. N. Morrison

Textbook: To be announced.

FIFTH YEAR

1580. ENGINEERING PRACTICE II. Continuation of Course 1561.

2 lectures per week, first term. *Mr. R. N. Morrison*

Reference Books: Boulding, Economic Analysis (Harper); Dean, Managerial Economics (Prentice-Hall); Grant, Principles of Engineering Economy (Ronald); Petrie, Taxation of Corporate Income in Canada (Univ. of Toronto Press); Specthrie, Industrial Accounting (Prentice-Hall).

1581. ENGINEERING LAW. Definition of law; different branches of law; distinction between civil and criminal law and between civil and common law; statutes, orders in council, and by-laws; Canadian constitutional law and organization of courts; civil law including marriage, tutorship, minority, and interdiction, types of property, rights of ownership, successions, wills and succession duties, expropriation, servitudes, obligations, responsibility for negligence, Workmen's Compensation Act, privileges, hypothecs, registration, prescription, marriage contracts and rights of women, sale, lease and hire, mandate, engineering and architectural contracts, responsibility of architect and builder; organization of engineering and architectural professions; patents, trademarks, industrial design and copyright; partnership and companies; mining; railways; expert evidence and evidence generally.

2 lectures per week, first term. *Hon. Mr. Justice G. S. Challies*

Reference books: Nord, Legal Problems in Engineering (Wiley); Laidlaw Young, Engineering Law (University of Toronto Press).

DEPARTMENT OF ENGLISH

Professors	RALPH S. WALKER, *Chairman*
	H. G. FILES
	JOYCE HEMLOW
Associate Professors	ALEC LUCAS
	HUGH MACLENNAN
	ARCHIBALD MALLOCH
Assistant Professors	CONSTANCE BERESFORD-HOWE
	CURTIS D. CECIL
	LOUIS DUDEK
	ALAN HEUSER
	SLAVA KLIMA
	MARTIN PUHVEL
	GORDON F. SLEIGH
	KATHLEEN M. VAUGHAN

Lecturers

WILLIAM T. BOOTH
KEITH BROWN
ALLAN J. HARTLEY
JANET M. JACKSON
WILLIAM PROUTY
HARRY M. RITCHIE
MARGERY E. SIMPSON
HUGH SPROULE
DONALD WALLACE

1000. ENGLISH LITERATURE (Arts and Science 100).

2 hours lectures and 1 hour tutorial conference per week, session.

Professor Walker and Members of the Department

1001. ENGLISH COMPOSITION (Arts and Science 100C).

1 hour tutorial conference per week, session.

Professor Lucas and Members of the Department

1002. ELEMENTARY ENGLISH COMPOSITION (Arts and Science 150).

For students whose native tongue is not English and who have particular difficulty in writing correct idiomatic English.

2 hours tutorial conferences per week, session. *Miss Janet M. Jackson*

For more detailed descriptions of the content of the above courses see the Announcement of the Faculty of Arts and Science.

The normal requirement in English for students in First year Engineering is English 1000 plus English 1001. This involves four hours per week of lectures and conferences throughout the session.

At the beginning of the session students will be required to take a test in Composition. Students who attain a high standard in the work of the class may be exempted from the final examination.

Students whose native tongue is not English, and whose proficiency in the use of English is not such, in the opinion of the Department, as to enable them to profit adequately from English 1000 and 1001, will be directed to substitute English 1002 for English 1000 and English 1001. This substitution will not be permitted by the Department after the Session 1959-60.

DEPARTMENT OF GEOLOGICAL SCIENCES

Professors

J. E. GILL, *Chairman*
T. H. CLARK
E. H. KRANCK

Associate Professors J. S. STEVENSON
C. W. STEARN

Assistant Professor J. A. ELSON

THIRD YEAR

1142 (Arts and Science 121). GENERAL GEOLOGY. The earth and the solar system; minerals and rocks composing the earth: erosive forces (weather, wind, rivers, waves, etc.) modifying its surface, and deformative processes (temperature changes, compression, etc.) affecting its subsurface structure; the origin and historical development of the earth and of living things. The economic aspects of all phases of the subject are treated throughout the course.

2 lectures and 2 hours laboratory per week, session. During October the laboratory work is replaced by field excursions.

Professors Clark and Stearn

Text: Leet and Judson, Physical Geology, 2nd ed. (Prentice-Hall, 1958).

Reference books: Agar, Flint, and Longwell, Geology from Original Sources (Holt, 1929); Dapples, Basic Geology for Science and Engineering (Wiley, 1959).

1144 (Arts and Science 221). MINERALOGY. Lectures: crystallography; physical properties and chemical composition of minerals; the more important ore-minerals, industrial minerals, rock-forming minerals, uses and sources of supply of economic minerals. Laboratory: study of crystal models and crystals; methods for the determination of minerals by blowpipe analysis and by related chemical tests; application of these plus physical characters in the identification of minerals.

2 lectures and 3 hours laboratory per week, session; one full day field trip in October. *Professor Stevenson*

Text: Hurlbut, Dana's Manual of Mineralogy (Wiley, 1952).

FOURTH YEAR

1161. MINERALOGY. Same as first half of Geology 1144 (Arts and Science 221). Lectures: crystallography; study of the more important ore minerals. Laboratory: study of crystal models and crystals; determination of ore-minerals by physical characteristics and by blowpipe and chemical tests.

2 lectures and 3 hours laboratory per week, first term; one full day field trip in October.

Text: Hurlbut, Dana's Manual of Mineralogy (Wiley, 1952).

Professor Stevenson

1162 (Arts and Science 221). MINERALOGY. Same as Course 1144 except for laboratory.

2 lectures per week, session, and 3 hours laboratory per week, first term; one full day field trip in October. *Professor Stevenson*

Textbook: Hurlbut, Dana's Manual of Mineralogy (Wiley, 1952).

1164 (Arts and Science 332, first term only). PETROLOGY. The common igneous, sedimentary, and metamorphic rocks; modes of occurrence; identification by field methods.

2 lectures and 3 hours laboratory per week, first term. *Professor Kranck*

Textbook: G. W. Tyrrell, The Principles of Petrology, 1956.

1165 (Arts and Science 231c). FIELD GEOLOGY. Surface and underground geological field survey methods. Preparation of geological maps, sections, and reports from field notes, diagrams, aerial photographs, etc.

Two-week field school in May. *Professor Elson*

Reference books: Lahee, Field Geology 5th ed. (McGraw-Hill); McKinstry, Mining Geology (Prentice-Hall).

1166 (Arts and Science 232b). STRUCTURAL GEOLOGY. A systematic survey of rock structures, their origins and practical importance.

2 lectures and 3 hours laboratory per week, second term.

Textbook: Billings, Structural Geology, 2nd ed. (Prentice-Hall).

1180 (Arts and Science 444). GEOLOGY OF NORTH AMERICA. The geological history, geomorphology, and mineral resources of the natural subdivisions of North America are described.

2 lectures per week. *Professor Elson, Stearn and*———

Textbook: Geology and Economic Minerals of Canada, 4th ed. (Geological Survey of Canada, 1957).

FIFTH YEAR

1182 (Arts and Science 441). ORE DEPOSITS. Nature, origin, mode of occurrence and classification of deposits of metallic and non-metallic minerals; typical occurrences; geographical distribution.

2 lectures per week, session, and 3 hours laboratory per week, second term. *Professors Gill and* ———

Textbook: Bateman, Economic Mineral Deposits (Wiley).

DEPARTMENT OF MATHEMATICS

Professors
HERBERT TATE, *Chairman*
CHARLES FOX
EDWARD ROSENTHALL
P. R. WALLACE

Associate Professors
M. D. BURROW
HYMAN KAUFMAN
JOACHIM LAMBEK
E. L. LOMON
T. F. MORRIS
J. E. L. PECK
H. W. E. SCHWERDTFEGER
R. T. SHARP
C. D. SOLIN

Assistant Professors
G. D. FINDLAY
SIDNEY KAHANA
SAMUEL MELAMED
Z. A. MELZAK
NORMAN OLER
B. A. RATTRAY

Lecturers
E. BUTKOV
A. GOLDRICH
H. K. HAREL
MICHAEL HERSCHORN
D. M. KINGSBURY
R. A. PATTERSON
Z. ROSENFELD
MRS. H. W. E. SCHWERDTFEGER
I. H. SHTERN
DAVID SUSSMAN

FIRST YEAR

1200. TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

3 lectures per week, first term. *Staff*

1201. ALGEBRA AND ANALYTIC GEOMETRY. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations. The analytic geometry of the straight line and circle.

3 lectures per week, second term. *Staff*

Textbook: H. Tate, Elementary Mathematical Analysis (Pitman).

1202. ENGINEERING PROBLEMS. Problems and exercises in practical computations on course 1200 involving the slide rule, logarithms, approximations, graphs, etc.

2 hours per week, session. *Mr. Patterson and Staff*

1203. ANALYTIC GEOMETRY. Conic sections and their simple properties, polar co-ordinates.

3 lectures per week, session. *Staff*

Textbook: Robin Robinson, Analytical Geometry (McGraw-Hill).

1204. ENGINEERING PROBLEMS. Problems and exercises in algebra, trigonometry and analytic geometry.

2 hours per week, session. *Staff*

SECOND YEAR

1220. ALGEBRA. Complex numbers, remainder theorem, partial fractions, interest, annuities, sinking funds, depreciation, valuation of mining property, bonds.

2 lectures per week, first term. *Staff*

Textbook: T. S. Peterson, College Algebra (Harper).

1222. ANALYTIC GEOMETRY. Conic sections and their simple properties, introduction to three-dimensional analytic geometry, polar co-ordinates, parametric representation with applications to some elementary notions in statistics such as averages, standard deviation, coefficients of variation and correlation, determination of lines of best fit.

2 lectures per week, session. *Staff*

Textbook: Robin Robinson, Analytical Geometry (McGraw-Hill).

1224. CALCULUS. Functional notation; limits; differentiation of elementary functions; maxima and minima; geometric applications; differentials; integration of standard functions; definite integrals; geometrical and physical applications.

3 lectures per week, session. *Staff*

Textbook: T. S. Peterson, Elements of Calculus (Harper).

1226. MENSURATION AND SPHERICAL TRIGONOMETRY. Simple geometrical properties of lines, planes, and spheres; solid angles, dihedral angles and spherical triangles; the mensuration of the simpler rectilinear solids, cylinders, cones, and spheres. The sine and cosine laws, half-angle formulae, Napier's analogies, solution of oblique triangles, applications to

astronavigation, Napier's rule of circular parts for right-angled triangles, law of species, solution of right-angled triangles.

2 lectures per week, second term. *Staff*

Textbooks: R. Brink, Spherical Trigonometry (Appleton); Kern and Bland, Solid Mensuration (Wiley).

THIRD YEAR

1240. ADVANCED CALCULUS (Arts and Science 333). Partial differentiation, Jacobians and implicit functions, mean value theorems and Taylor series, indeterminate forms, line integrals, Green's and Stokes's theorems, definition of analytic functions of a complex variable, poles and residues, evaluation of definite integrals, the Gamma function and related definite integrals, vectors.

3 lectures per week, session. *Professor Melamed*

Text: Franklin, *Methods of Advanced Calculus* (McGraw-Hill).

1242. CALCULUS. Curvature; partial differentiation; double and triple integrals with application to volumes, moments of inertia, etc.; Taylor's theorem; exponential and logarithmic series; hyperbolic functions; vectors.

2 lectures per week, session. *Professor Rosenthall and Staff*

Textbook: T. S. Peterson, Elements of Calculus (Harper).

1246. VECTOR METHODS AND NOMOGRAPHY. Algebra of vectors, scalar and vector product of two vectors, multiple products, differentiation of vectors with applications to geometry and elementary mechanics, nomography.

1 lecture per week, session. *Professor Fox*

Texts: G. Coffin, *Vector Analysis* (Wiley).

FOURTH YEAR

1260. DIFFERENTIAL EQUATIONS. Ordinary differential equations; methods of solution; elementary functions in complex variables; linear differential equations; especially with constant coefficients; vibration and electric circuit problems; setting up equations; solution by series and introduction to partial differential equations.

2 lectures per week, session. *Professor Kaufman and Staff*

Textbook: Kells, Elementary Differential Equations (McGraw-Hill).

1264. THEORY OF FUNCTIONS AND ADVANCED DIFFERENTIAL EQUATIONS. Conformal mapping; properties of analytic functions; residues; Cauchy's theorem; contour integrals; applications to ordinary and partial differential equations.

1 lecture and 1 hour problems, session. *Professor Kaufman*

Textbooks: R. V. Churchill, Introduction to Complex Variables and Applications (McGraw-Hill); R. V. Churchill, Fourier Series and Boundary Value Problems (McGraw-Hill).

1268 (Arts and Science 331). STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS. (Same as Course 1368.)

(a) Dynamics of a particle in one and two dimensions; motion of pair of particles; dynamics of rigid bodies; mass systems.

3 lectures per week, first term. *Professor F. R. Terroux (Physics)*

(b) Central orbits and scattering problems. Lagrangian and Hamiltonian equations. Rotations. Motion of rigid bodies, principal axes and moments of inertia. Normal modes of vibration and characteristic frequencies of oscillating systems, with applications to atomic and molecular physics.

3 lectures per week, second term. *Professor Jackson*

Textbooks: (a) Lamb, Statics (C.U.P.); Lamb, Dynamics (C.U.P.); (b) Slater and Frank, Mechanics (McGraw-Hill).

Reference books: Goldstein, Classical Mechanics, (Addison Wesley); Corben and Stehle, Mechanics (Wiley).

FIFTH YEAR

1282 (Arts and Science 446a). FLUID DYNAMICS (Half course). The equations of motion, conservation of energy and circulation, the theory of images, complex potential and conformal transformation methods, especially solutions for vortex arrays and aerofoil theory, Stokes's stream function for three-dimensional solutions, the equations of viscous flow and boundary layer motion.

First term: 3 hours. *Professor Fox*

Textbooks: Milne-Thomson, Hydrodynamics (Macmillan); Ramsey and Besant, Hydro-Mechanics (C.U.P.).

1284 (Arts and Science 448b). ADVANCED DYNAMICS (Half course). General formulation of Lagrangian dynamics, Hamiltonian equations. Least action principle. Canonical transformations. Poisson brackets. Hamilton-Jacobi theory. Introduction to special relativity in classical mechanics.

Second term: 3 hours. *Professor Sharp*

Textbook: Goldstein, Classical Mechanics.

1290 (Arts and Science 441). MATHEMATICAL PHYSICS. (Same as Course 1390.) Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems

of heat conduction and diffusion. Introduction to relativity and wave mechanics. Twelve lectures on topics arising in spectroscopy and nuclear physics will be given by Professor Foster.

3 hours per week, session. *Professor Wallace*

Textbooks: Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand); Joos, Theoretical Physics (Blackie)

DEPARTMENT OF MECHANICAL ENGINEERING

Professors	WILLIAM BRUCE, *Chairman*
	D. L. MORDELL
Associate Professors	J. C. CHERNA
	P. V. COVO
	A. R. EDIS
	J. W. STACHIEWICZ
	A. L. THOMPSON
Assistant Professor	J. H. T. WU
Lecturers	J. M. FORDE
	B. C. C. GLYNN
	ERICH HERBST
	FRANCIS HOWITT
	S. S. HYDER
	A. R. MCKAY
	C. L. MURPHY
	BERNARD SHORT
Special Lecturer	SEYMOUR LEVINE
Sessional Lecturer	To be appointed
Demonstrators	To be appointed
Shop Instructor	F. G. CORRICK

FIRST YEAR

511. ENGINEERING DRAWING I. Lettering and free-hand sketching; use of instruments; orthographic projection: auxiliary and oblique views; dimensioning, sectioning, use of conventions; one-plane projections: axonometric, oblique; design.

3 hours per week, session. *Professor Covo and Staff*

SECOND YEAR

521. ENGINEERING DRAWING II. Common machine elements: screws, welding, piping, gears, pulleys and structural shapes; drawing for mass production: accuracy control and surface quality; design problems requiring preparation of briefs: sketches, calculations and finished drawings.

3 hours per week, session. *Professor Covo and Staff*

522. DESCRIPTIVE GEOMETRY. Adaptation of orthographic projection methods to three dimensional geometry; characteristics of lines and planes; graphical solution of problems involving position and true dimensions of geometrical figures; analysis of solids and other applications of three dimensional graphical geometry.

1 lecture and 2 hours drafting room per week, session.

Professor Cherna

THIRD YEAR

541. ENGINEERING DRAWING III. Production processes: correlation between processes and design; mechanical and structural design problems requiring elementary stress analysis.

3 hours per week, first term. *Professor Covo and Staff*

542. MECHANICS OF MACHINES. Introduction to kinematics and mechanics of machines; velocities and acceleration of machine members. Stress is laid on fundamental aspects of kinematics to give the student the necessary background for subsequent work in dynamics of machines.

1 lecture, 3 hours problems per week, second term. *Mr. Forde*

Reference books: Billings, Applied Kinematics (Van Nostrand); Guillet, Kinematics of Machines (Wiley); Hinkle, Kinematics of Machines (Prentice Hall).

543. MACHINE SHOP I. Lectures: tools, tool grinding, cutting action of tools, and safety precautions. Shopwork: marking off, layout, straight and taper turning, surface and gang milling, and use of dividing head (plain indexing).

3 hours per week, session. *Mr. Corrick*

544. ENGINEERING PROBLEMS. A selection of exercises and problems requiring analysis and the application of accepted or derived methods for solution.

3 hours per week, session.

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

561. INDUSTRIAL ENGINEERING I. Analysis of production methods; comparison of manufacturing processes; elements of tool design; jigs and fixtures; selection of method for proper use of material and manufacturing method; analysis of inspection techniques; effect of output on design.

2 lectures and 2 hours problems per week, first term. *Professor Cherna*

References: Young, Materials and Methods (Wiley); Niebel and Baldwin, Designing for Production (Irwin).

563. MACHINE SHOP II. Study of speeds and feeds for metal cutting, compound and differential indexing on milling machine, shaper operations, surface and cylinder grinding, drills and drilling, consideration of inspection methods.

5 hours per week, first term. *Mr. Corrick*

564. MECHANICS OF MACHINES. Mechanics of reciprocating engines—crank-effort diagrams, flywheel calculations, shaking-force diagrams and engine balancing; functions and dynamics of governors, mechanical and hydraulic; gear trains; friction drives; cams.

2 lectures and 1 hour problems per week, session. *Professor Stachiewicz*

Reference book: Ham, Crane and Rogers, Mechanics of Machinery (McGraw-Hill); Low, Theory of Machines.

566. MECHANICAL ENGINEERING. Elementary thermodynamics: properties of steam; fuels and combustion; steam power plants; gas processes; gas cycles; air compressors; I-C engines; engine performance; refrigeration; fluid dynamics; measuring instruments; dimensional analysis; turbo-machinery; heat transfer.

2 lectures per week, session. *Professor Wu and Mr. MacKay*

Text: Mooney, Introduction to Thermodynamics and Heat Transfer (Prentice-Hall).

Reference Books: MacNaughton, Elementary Steam Power Engineering (Wiley); Lichty, Internal Combustion Engines (McGraw-Hill); Binder, Fluid Mechanics (Prentice Hall); Eckert, Heat Transfer (McGraw-Hill).

569. MECHANICAL ENGINEERING LABORATORY. Properties of lubricants; tests of economy and performance of boiler, internal combustion engines, air compressor and steam turbine; heat transfer; proximate analysis and calorific value of coal; flue-gas analysis; combustion calculations; fan performance.

3 hours per week, session. *Professor Stachiewicz and Staff*

Text: Messersmith, Warner, Olsen, Mechanical Engineering Laboratory (Wiley).

Reference books: Sweeney, Measurement Techniques in Mechanical Engineering (Wiley); Shoop and Tuve, Mechanical Engineering Practice (McGraw-Hill).

571. APPLIED THERMODYNAMICS I. Basic definitions and concepts; first law of thermodynamics; general energy equations for non-flow and for flow processes; reversibility and reversible processes; pure substances, properties of gases, properties of vapours, second law of thermodynamics;

entropy; power cycles, gas and vapour; combustion; steam power plants; internal combustion power plants; gas compressors and expanders; refrigeration.

2 lectures and 1 hour problems per week, session. *Professor Bruce*

Reference books: Ebaugh, Engineering Thermodynamics (Van Nostrand); MacNaughton, Elementary Steam Power Engineering (McGraw-Hill); Solberg, Cromer and Spalding, Elementary Heat Power (Wiley).

573. FLUID DYNAMICS I. Fundamentals; flow of an ideal fluid; stream lines and stream tubes; Bernouilli's equation for incompressible and compressible flow; flow of a real fluid; boundary layer concepts; similarity and dimensional analysis; fluid flow in pipes.

2 lectures per week, first term. *Professor Mordell*

Textbooks: Binder, Fluid Mechanics (Prentice Hall).

575. MECHANICAL DESIGN I. The course covers the application of the theories of Strength of Materials to the design of mechanical details of machinery. Rational methods are developed, and empirical factors are introduced as required. The emphasis in this course is on detail design work and on acquiring good habits in design detailing on the draughting board.

4 hours lectures, 6 hours problems, second term. *Professor Edis*

Textbook: Shigley, Machine Design (McGraw-Hill).

Reference books: Vallance and Doughtie, Design of Machine Members, 3rd Edition (McGraw-Hill); Spotts, Design of Machine Elements, 2nd Edition (Prentice Hall).

578. MECHANICAL SERVICES IN BUILDINGS. A general discussion course relating to problems encountered in providing mechanical services in buildings. Physiological and environmental aspects of heat, ventilation and air conditions are discussed as well as the estimation of heating and cooling loads and the selection and specification of suitable equipment. Sprinkler systems, gas, plumbing and elevators are discussed. The characteristics of typical equipment are outlined and the construction problems produced by installation of this equipment are studied.

Seminars are held to discuss the installation of the mechanical equipment in buildings designed by the students. Field trips are made to inspect various mechanical installations in different types of buildings.

2 hours lectures per week, session; 3 hours per week seminars or field trips, second term. *Professor Levine*

Reference books: Allen and Walker, Heating and Air Conditioning (McGraw-Hill); Severns and Fellows, Heating, Ventilation and Air Conditioning Fundamentals (Wiley).

579. THEORY AND DESIGN OF MACHINES I. Analysis and classification of simple mechanisms; mechanics and dynamics of reciprocating machinery; balancing; friction and lubrication; analysis of stresses in machine members, under static and dynamic loads; introduction to vibration theory.

2 hours lectures, 3 hours problems, both terms.

Professors Edis and Stachiewicz

Textbook: Shigley, Machine Design (McGraw-Hill).

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

581. EXPERIMENTAL MECHANICAL ENGINEERING. Calibration and use of instruments; measurement of pressure, of temperature, and of power; test methods; test techniques and methods of expressing results; graphical representation and errors. *Professor Thompson*

2 hours lectures per week, first term.

Reference: Process Control—a reprint from Chemical Engineering (McGraw-Hill).

Investigation and tests of steam boiler, steam and gas turbines, internal combustion engines, air compressor, vacuum pump, fans, refrigerating machine; measurements of fluid flow and heat transfer.

6 hours laboratory per week, session. *Professor Stachiewicz and Staff*

Textbook: Sweeney, Measurement Techniques in Mechanical Engineering (Wiley).

Reference books: Diederichs and Andrae, Experimental Engineering (Wiley). Shoop and Tuve, Mechanical Engineering Practice (McGraw-Hill).

583. INDUSTRIAL ENGINEERING II. Plant layout and equipment; industrial safety and accident prevention; work analysis and measurement; elementary analysis of statistical quality control; optima of industrial production; production analysis and control; production planning.

2 hours lectures, 3 hours problems, per week, session. *Professor Cherna*

References: Maynard, Industrial Engineering Handbook (McGraw-Hill); Ireson and Grant, Handbook of Industrial Engineering and Management (Prentice-Hall).

593. APPLIED THERMODYNAMICS II. Thermodynamic equations for gases and vapours; gas-vapour mixtures; evaporating, drying and air-conditioning processes; thermodynamics of combustion; modified and improved power plant cycles; power plant equipment; power plant heat balance; factors preventing the realization of theoretical performance in heat engines; refrigeration and heat pump systems.

2 lectures and 3 hours problems per week, session. *Professor Bruce*

Reference books: Hawkins, Thermodynamics (Wiley); Mooney, Mechanical Engineering Thermodynamics (Prentice-Hall); Gaffert, Steam Power Stations (McGraw-Hill); Lichty, Internal Combustion Engines (McGraw-Hill); Raber and Hutchinson, Refrigeration and Air-Conditioning (Wiley).

594. HEAT TRANSFER. Fundamentals of heat transfer; conduction; free convection; forced convection; basic concepts of the flow theory in laminar and turbulent flow; condensation and evaporation; radiation; overall transfer of heat.

2 hours lectures per week, second term. *Professor Mordell*

Reference Books: Brown and Marco, Introduction to Heat Transfer (McGraw-Hill); Eckert, Introduction to the Transfer of Heat and Mass (McGraw-Hill); McAdams, Heat Transmission (McGraw-Hill).

595. MECHANICAL DESIGN II. In continuation of the work of the Fourth year, more complex problems in design are introduced. The structural nature of many mechanical mechanisms is stressed, and theories of fatigue failure, the evolution of practical safety factors, and the practical aspects of the design and manufacture of mechanical parts are introduced. During the year students are required to prepare a complete preliminary design brief and working drawings for a typical engineering project.

2 hours lectures, 3 hours problems, session. *Professor Edis*

Reference books: As for course 575 and additionally, Timoshenko, Strength of Materials—Parts I and II (Van Nostrand).

596. FLUID DYNAMICS II. Boundary layer theory; the transport of momentum, heat and mass; momentum relations in steady flow; compressible fluid dynamics; waves; resistance and lift of immersed bodies; general theory of turbo-machines; turbines and compressors.

2 hours lectures, 1 hour problems, session. *Professors Mordell and Wu*

Textbook: Binder, Fluid Dynamics (Prentice Hall).

Reference book: Hunsaker and Rightmire, Engineering Application of Fluid Mechanics (McGraw-Hill).

597. DYNAMICS OF MACHINES. Solution of problems in dynamics by methods of inertia, momentum and energy. Study of inertia forces and stresses in machines. Vibrations; free, forced, damped and undamped, with one or more degrees of freedom. Electromechanical analogies. Whirling and torsional vibrations of shafts, balancing of rotors and other problems involving the dynamic behaviour of machines.

2 hours lecture, 1 hour problems, session. *Professor Stachiewicz and Staff*

Reference books: Crossley, Dynamics in Machines (Ronald Press); Thomson, Mechanical Vibrations (Prentice Hall); Den Hartog, Mechanical Vibrations (McGraw-Hill).

598. THEORY AND DESIGN OF MACHINES II. Advanced dynamics, kinematics of vibration. Design theory. Students are required to prepare a design brief and drawings for a typical engineering project that will require application of the theoretical studies.

2 hours lectures, first term; 3 hours problems, both terms.

Professors Edis and Stachiewicz

599. ENGINEERING PROBLEMS. Students will study typical engineering problems involving different interrelated aspects of engineering theory, leading to selection and evolution of a design for which drawings will be expected.

12 hours per week, both terms. *Staff*

850. TECHNICAL PAPER (see page 1449).

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING

Graduate courses are offered in Mechanical Engineering. For particulars of these and qualifications for entering the Graduate Faculty, see the Announcement of the Faculty of Graduate Studies and Research.

DEPARTMENT OF METALLURGICAL ENGINEERING

Professor	J. U. MACEWAN, *Chairman*
Associate Professor	H. H. YATES
Assistant Professor	C. D. EASTEAL
Sir William Dawson Fellow	GORDON W. SMITH

THIRD YEAR

643. METALLURGICAL PROBLEMS AND LABORATORY. Materials balances for smelting and refining operations, combustion problems, refractories, problems in physical chemistry, introductory laboratory practice in smelting.

1 lecture per week, session, 2 hours laboratory, first term; three hours laboratory second term. *Professor MacEwan*

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

662. METALLURGICAL LABORATORY. Use of the metallographic microscope, preparation of specimens for examination, metallography of iron and steel, photographic technique, heat treatment of steel, pyrometry.

3 hours per week, session. *Professors MacEwan and Easteal*

664. METALLURGICAL PROBLEMS. The application of thermodynamic principles to metallurgical operations and processes. Problems are designed to illustrate the use of enthalpy, entropy, free energy and activity to study reaction equilibria, especially those types commonly associated with roasting, smelting and refining processes.

4 hours per week, second term. *Professor Yates*

666. METALLURGY OF IRON AND STEEL. An introduction to physical metallurgy with particular reference to iron and steel, fabrication of steels, theory and practice of heat-treatment, applications of iron and steel in industry.

1 lecture per week, session. *Professor Easteal*

Textbook: Wulff, Taylor and Shaler, Metallurgy for Engineers (Wiley).

Reference books: Mondolfo and Zmeskal, Engineering Metallurgy (McGraw-Hill); Samans, Engineering Metals and Alloys (Macmillan); Kehl, The Principles of Metallographic Laboratory Practice (McGraw-Hill); Brick and Phillips, Structure and Properties of Alloys (McGraw-Hill); Williams and Homerberg, Introduction to Metallography (McGraw-Hill); Young, Materials and Processes (Wiley).

668. METALLURGICAL UNIT OPERATIONS. Study of some unit operations of metallurgical interest: pyrometry, heat transfer, introduction to fluid flow.

2 hours lecture and 2 hours problems per week, first term.
Professor Easteal

Textbook: Schuhmann, Metallurgical Engineering Principles (Addison Wesley).

Reference books: Binder, Fluid Mechanics (Prentice-Hall); Brown and Associates, Unit Operations (Wiley).

670. PHYSICAL METALLURGY. Theoretical and practical aspects of metallic deformation and annealing; the effects of composition and structure on the behaviour of alloys with detailed discussion of carbon steels, alloy steels, cast irons, wrought iron and various non-ferrous alloys. Heat treatment is considered for specific alloys where applicable.

1 lecture and 2 hours laboratory per week, first term.
Professors Yates and Easteal

Textbook: Rollason, Metallurgy for Engineers (Arnold).

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

680. HYDROMETALLURGY. The lectures in this course are concurrent with those of Course 683. In place of the regular problem period advanced

reading will be assigned with special problems designed to give the student a better understanding of recent developments in hydrometallurgy.

3 lectures per week, session. *Professor Yates*

Reference books: See Course 683.

681. EXTRACTIVE METALLURGY. Application of the principles of physical chemistry to metallurgical processes used in the recovery and refining of metals. Various standard processes will be studies and these studies will be augmented by assignments including problems.

2 hours lectures per week, session. *Professor MacEwan*

Reference books: See Course 686.

682. METALLURGICAL LABORATORY. Experiments in pyrometry, heat-treatment, metal refining, metallography, metal working, alloy preparation, fluid flow.

6 hours laboratory per week, first term.

3 hours laboratory per week, second term. *Professor MacEwan*

683. HYDROMETALLURGY. The concepts of kinetic theory, chemical kinetics, phase rule and colloid chemistry are introduced with emphasis on systems of metallurgical interest. These ideas and the principles of electrochemistry are used as a basis for the discussion of processes involved in hydrometallurgy, electrometallurgy and corrosion.

3 lectures and 1 hour problems per week, session. *Professor Yates*

Textbook: Daniels and Alberty, Physical Chemistry (Wiley).

Reference books: Findlay, Campbell and Smith, Phase Rule (Daver); Laidler, Chemical Kinetics (McGraw Hill); Mantell, Industrial Electrochemistry (McGraw-Hill); Van Arsdale, Hydrometallurgy of the Base Metals (McGraw-Hill).

684. EXTRACTIVE METALLURGY. Application of the principles of physical chemistry to metallurgical processes used in the recovery and refining of metals. Various standard processes will be studied and these studies will be augmented by the solution of problems.

2 hours lectures and 2 hours problems per week, session. *Professor MacEwan*

Reference books: See Course 686.

686. GENERAL METALLURGY. Physical metallurgy of non-ferrous metals and alloys; their uses in industry; basic principle of roasting, smelting, refining, and hydrometallurgical processes.

2 lectures per week, session. *Professor MacEwan*

Reference books: The Departmental Library has numerous texts, reference books, and periodicals, which are available to students.

688. METALLURGICAL COLLOQUIUM. Students are required to present detailed papers on selected metallurgical topics. This is followed by a discussion period.

1 hour per week, second term. *Staff*

690. METALLURGICAL DESIGN. Design of simple furnaces; materials balances and heat balances in standard processes.

3 hours problems per week, second term. *Professor MacEwan*

691. INSTRUMENTATION AND CONTROL. Fundamentals of system behaviour and analysis; open and closed loop systems; stability criteria; some typical control system components.

2 hours lectures and 3 hours laboratory per week, second term.

Professor Yates and Mr. Silvester

693. PHYSICAL METALLURGY. Lectures will be taken concurrently with Course 694. In place of the regular problem period, advanced reading will be assigned, with special problems designed to give the student a better understanding of recent developments in physical metallurgy.

2 hours lectures per week, session. *Professor Easteal*

694. PHYSICAL METALLURGY. Crystallography, X-ray diffraction, metal and alloy structures, theory of plastic deformation and annealing, age-hardening, heat treatment, and assigned problems.

2 hours lectures and 1 hour problems per week, session. *Professor Easteal*

Textbook: Brick and Phillips, Structure and Properties of Alloys (McGraw-Hill).

Reference books: See Course 686.

695. STUDIES IN METALLURGICAL PROCESSES. In this course advanced topics in either physical or process metallurgy will be assigned. The work will consist of literature surveys, analyses and weekly discussions with the staff. Special laboratory work may replace the assignments in part if advisable.

6 hours per week, first term; 3 hours per week, second term. *Staff*

696. METALLURGICAL UNIT OPERATIONS. A further study of unit operations in metallurgy: fluid flow, fluidization, dust collection, vacuum evaporation, spray drying.

2 hours lecture and 2 hours problems per week, second term.

Professor Easteal

Textbook: See Course 668.

Reference books: See Course 668.

850. TECHNICAL PAPER (see page 1449).

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING AND MASTER OF SCIENCE

Graduate Courses are offered in Pyrometallurgy, Hydrometallurgy, and Physical Metallurgy. For particulars of these and qualifications for entering the Graduate Faculty, see the Announcement of the Faculty of Graduate Studies and Research.

RESEARCH FELLOWSHIP IN THE DEPARTMENT OF METALLURGICAL ENGINEERING

There is one endowed research fellowship in the Department. This is awarded to a graduate of the Department who shows particular aptitude for advanced work, and is held in the Faculty of Graduate Studies and Research. Graduates of other universities are admitted to this Faculty, if qualified, but are not eligible for the fellowship mentioned.

DEPARTMENT OF MINING ENGINEERING

Professor	R. G. K. Morrison, *Chairman*
Associate Professor	J. S. Godard
Assistant Professor	Talat Salman
Douglas Fellow	_____
Harrington Fellow	_____

THIRD YEAR

740. THEORY OF MEASUREMENTS. A perspective on accuracy. Weights and measures, angles and circular functions, significant figures, graphic representation, graphic analyses.

1 hour per week, first term. *Professor Salman*

Reference: L. Tuttle and John Satterly, The theory of Measurements (Longmans Green & Co.).

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

760. MINE MAPPING AND THEORY OF MEASUREMENTS. Theory of errors as a continuation of course No. 740. Calculation of mine survey notes using logarithms, traverse tables and a calculating machine; calculating and mapping of a complete mine survey, drawing composite level plans, sections.

1 hour lecture, 2 hours lab., second term. *Professor Salman*

761. MINE SURVEYING. The plane table and its adjustments; the three-point problem; mine surveying; the auxiliary telescope; shaft plumbing; underground traversing; stope surveys; underground curves; borehole surveys; the Brunton compass; astronomical observation.

2 lectures per week, first term. *Professor Salman*

Textbooks: To be announced.

762. MINING ENGINEERING I

(a) Sampling methods and the estimation of ore reserves; mine valuation and taxation; Canadian and world mineral production.

2 lectures per week, first term. *Professor Morrison*

(b) General mining methods: underground mining, metalliferous and coal; placer mining: quarrying; open pit mining.

2 lectures per week, second term. *Professor Morrison*

While parts (a) and (b) are required for students in Mining Engineering, either or both parts may be taken by interested students in other departments.

Reference books: Peele, Mining Engineers' Handbook (Wiley); Jones and Hunt, Coal Mining (Pennsylvania State College); Truscott, Mine Economics (Mining Publications Ltd.).

763. MINERAL DRESSING. Preparation of ores for treatment; mechanical methods of concentration; crushing; grinding; sizing; gravity concentration; agitation; leaching, thickening; filtration; beneficiation of coal.

1 lecture and 3 hours laboratory per week, session.

Professors Godard and Salmon

Reference book: Richards and Locke, Textbook of Ore Dressing (McGraw-Hill).

764. ORE ANALYSIS. Technical methods for the analyses of ores and mill products; procedures used in the fire assay of ores and processed material for precious metals.

1 lecture and 2 hours laboratory per week, session.

Professors Godard and Salmon

Reference books: Low, Weinig and Schoder, Technical Methods of Ore Analysis (Wiley); Begbee, Textbook of Fire Assaying (Wiley); Shepard and Dietrich, Fire Assaying (McGraw Hill).

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

782. MINE DESIGN. The problems arising in the valuation and equipping of a mining property for production are critically examined. On the basis of information supplied relating to a mining property, the student prepares

a report covering the calculation of ore reserves; the financial implication of various rates of production; the mining layout and method; pumping; ventilation; transport for men, materials, ore, and waste; surface layout; ore treatment; tailings disposal; time schedule of operations leading to production; the staff, organization, ancillary services and facilities required for production.

6 hours problems per week, session. *Professor Morrison*

Reference books: As for course 762 and also Parks, Examination and Valuation of Mineral Property (Addison-Wesley Press Inc.); Lewis, Elements of Mining (Wiley); Young, Elements of Mining (McGraw-Hill).

784. MINE FINANCE AND COST CONTROL. Company law and the incorporation of mining companies; provision of capital; payroll accounts and workmen's compensation; cost accounts; direct costs; distributable costs; comparative costs and cost control; amortization, depreciation and depletion; taxes on mines; profit and loss statements and balance sheets.

2 lectures per week, second term. *Mr. R. S. Boire*

786. MINING COLLOQUIUM. Students prepare and deliver a lecture on a suitable subject.

1 hour per week, second term. *The Staff*

788. MINING ENGINEERING II.

(a) Ventilation; hoisting, haulage and conveying; pumping and drainage; compressed air.

2 lectures per week, first term. *Professor Morrison*

(b) Explosives, rock excavation, deep mining, ground pressure and support, sequence of stoping.

2 lectures per week, second term. *Professor Morrison*

(c) The Engineer and Management.

1 lecture per week, second term. *Professor Morrison*

While parts (a), (b), and (c) are required for students in Mining Engineering, any or all parts may be taken by interested students in other departments.

Reference books: Fan Engineering, 5th edition (Buffalo Forge Company); Staley, Mine Plant Design, 2nd edition (McGraw-Hill).

790. MINING ENGINEERING PROBLEMS. Calculations in combustion, costs, ventilation, hoisting, haulage, mine drainage, and other mine plant problems.

2 hours per week, session. *Professors Morrison and Salman*

794. SUMMER SCHOOL. Normally this school is held for two to three weeks immediately after Summer School 766 at the close of the Fourth year. It consists of an inspection trip to the mines and plants of some important district, and serves to acquaint the student with engineering methods as applied to the mining industry. This is considered a part of the Fifth year curriculum.

797. MINERAL DRESSING. Cyanidation, floatation, and milling calculations; laboratory work will cover screening, settling, agitation, filtration, jigging, tabling, cyanidation, and flotation.

2 lectures per week, and 3 hours laboratory, first term.

Professors Godard and Salman

798. MINERAL DRESSING. Investigation into the treatment of ores; chemical analyses; flow sheets from these investigations.

1 lecture per week and 3 hours laboratory, second term.

Professors Godard and Salman

850. TECHNICAL PAPER (see page 1449).

RESEARCH FELLOWSHIPS IN THE DEPARTMENT OF MINING ENGINEERING

There are two endowed research fellowships in the Department. These are awarded to graduates of the Department who show particular aptitude for advanced work, and are held in the Faculty of Graduate Studies and Research. Graduates of other universities are admitted to this Faculty, if qualified, but are not eligible for the fellowships mentioned.

DEPARTMENT OF PHYSICS

Professors

G. A. WOONTON, *Chairman*
J. S. FOSTER
J. S MARSHALL
E. R. POUNDER

Associate Professors

R. E. BELL
K. L. S. GUNN
W. F. HITSCHFELD
W. M. MARTIN
ANNA I. MCPHERSON
F. R. TERROUX

Assistant Professors

C. R. CROWELL
J. F. MATHISON
E. J. STANSBURY

Lecturers	M. L. DE ANGELIS
	M. P. LANGLEBEN
	G. V. MARR
	W. M. TELFORD
Senior Demonstrators	V. M. FORBES
	E. V. HARKNESS
	E. L. MORRISON
	F. H. WEBB

FIRST YEAR

1311. MECHANICS AND ELECTRICITY. An introductory course covering the elementary portions of mechanics, magnetism, electricity, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 lectures per week, session.* *Professors Martin and Mathison*

Laboratory, 2 hours per week, session. *Professor McPherson*

Textbooks: Marshall and Pounder, Physics (Macmillan); An Elementary College Course in Experimental Physics (Renouf Publishing Co.).

SECOND YEAR

1320 (Arts and Science 22a). HEAT. Temperature, kinetic theory, heat engines, throttling, evaporation, hygrometry, heat transfer, radiation, and expansion.

3 lectures per week, first term.
Professors Marshall, Stansbury, McPherson and Dr. Langleben

Laboratory, 2 hours per week, first term.
Professors Terroux and McPherson

Textbooks: Marshall and Pounder, Physics (Macmillan); Heat, Light, and Sound Laboratory Manual (Renouf).

1322 (Arts and Science 22b). SOUND AND LIGHT. Simple harmonic motion, waves, interference, moving sources, diffraction, vibrating systems, intensity level, audibility, musical scales, and acoustics. Waves and rays, lenses and mirrors, aberrations, the eye, optical apparatus, illumination, interference, polarized light. Wave theory developed in sound is used for light.

3 lectures per week, second term.
Professors Marshall, Stansbury, McPherson and Dr. Langleben

Laboratory, 2 hours per week, second term.
Professors Terroux and McPherson

Textbooks: Same as for Course 1320.

*Voluntary tutorials are provided to assist students in 1311.

THIRD YEAR

1340 (Arts and Science 23). ELECTRICITY AND MAGNETISM. Fundamental principles and experimental basis of magnetism; electrostatics; current electricity (D.C. and A.C.); electromagnetic induction; electrodynamics; theory of simple circuits; elementary electronics. Special attention is given to demonstrations, applications, theory of measurements, units, instruments, and numerical problems.

2 lectures and 1 hour voluntary tutorial per week, session.

Professor Crowell

Textbook: Ward, Introduction to Electrical Engineering (Prentice-Hall).

Reference books: Signal Training Manual, Vol. II, Part I, Electricity and Magnetism (H. M. Stationery Office); Page, Lessons in Electricity (Macmillan); Brown, Electricity and Magnetism (Holt); Starling, Electricity and Magnetism (Longmans Green); Sears, Electricity and Magnetism (Addison-Wesley); Shortley and Williams, Physics Vol. II (Prentice-Hall).

NOTE: Course 1344 is an integral part of Course 1340.

1341 (Arts and Science 23). ELECTRICITY AND MAGNETISM. Advanced section of Course 1340 with supplementary lectures on the more advanced parts of the course including, in particular, the properties of electric and magnetic fields.

3 lectures per week, session. *Professor Pounder*

Reference books: Same as for course 1340.

1342 (Arts and Science 34). HEAT AND THERMODYNAMICS. Thermodynamic systems and variables. The zeroth, first and second laws. The thermodynamics of: heat engines; two-phase systems, including a statement of the third law; theremoelectricity; Joule-Thomson effect; thermionic emission; thermal radiation. Kinetic theory of gases, introduction to statistical mechanics.

2 hours per week, session. *Professor Hitschfeld*

Text: Sears, Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics (Addison-Wesley).

References: Zemansky, Heat and Thermodynamics (McGraw-Hill); Hoare, Textbook of Thermodynamics (Longmans Green); Jeans, Kinetic Theory of Gases (Cambridge University Press); Worthing and Halliday, Heat (Wiley).

1343. ELECTRICITY AND MAGNETISM. Fundamental principles and experimental basis of D-C circuit theory and measurements; electrostatics and capacitance; magnetism and inductance.

Textbooks: Sears, Electricity and Magnetism (Addison-Wesley); Marshall and Pounder, Physics (Macmillan); Laboratory Notes on Electricity and Magnetism.

INTRODUCTORY ATOMIC PHYSICS. Properties of electrons, protons, and neutrons; relativistic mechanics; isotopes and mass spectroscopy; the nuclear atom and Bohr theory; elementary quantum mechanics of atoms; statistical methods applicable to molecules, atoms, and sub-atomic particles.

Textbooks: Sproule, Modern Physics (Wiley); Marshall and Pounder, Physics (Macmillan).

3 lectures per week, first term. 2 lectures per week second term. 3 hours per week, laboratory, session. *Professor Pounder*

1344 (Arts and Science 23L). PHYSICS LABORATORY. Illustrating main principles of Course 1340. Theory and use of galvanometers, ammeters, voltmeters, bridges, potentiometers, resistances, capacitances, inductances, magnetometers, rectifiers, oscillators, oscillographs; limitations and accuracy of observations; significant figures.

3 hours per week, session. *Professor Pounder*

Textbook: University Laboratory Manual, Electricity and Magnetism

NOTE: Course 1344 is an integral part of Course 1340.

1345. ELECTRICITY AND MAGNETISM. Fundamental principles and experimental basis of D-C circuit theory and measurements; electrostatics and capacitance; magnetism and inductance.

3 lectures and 3 hours laboratory per week, first term.

Professor Pounder

Textbooks: Sears, Electricity and Magnetism (Addison-Wesley); Marshall and Pounder, Physics (Macmillan); Laboratory Notes on Electricity and Magnetism.

FOURTH YEAR

1360 (Arts and Science 47). APPLIED GEOPHYSICS. Introduction to geophysical methods of prospecting and investigating sub-surface structures; theories uses, and limitations of various magnetic, electrical, gravitational, and seismic methods; practical operation of instruments; field results are obtained and analysed; field experience, when possible. Laboratory facilities are available.

2 lectures per week, first term. *Professor Telford*

Textbook: Eve and Keys, Applied Geophysics, 4th ed. (Cambridge Univ. Press); Dobrin, Introduction to Geophysical Prospecting (McGraw-Hill).

Reference book: Heiland, Geophysical Exploration (Prentice-Hall); Jakosky, Exploration Geophysics (Trija Publishing Co.).

1362 (Arts and Science 35a). ELECTRON PHYSICS. Charge and mass of the electron; the electron as a constituent of matter; atomic structure; electrons in metals and insulators; liberation of electrons from matter: thermionic emission; secondary emissions; photoelectric emission; ionization processes; electrical discharges in gases; control of free electrons; electron ballistics; electron optics; wave characteristics of the electron; electron diffraction; applied electronics, cathode-ray oscillograph; X-ray tubes; electron microscope; radio-tubes.

2 lectures per week, first term. *Professor Pounder*

Reference books: Stranathan, The Particles of Modern Physics (Blakiston); Millman and Seely, Electronics (McGraw-Hill); Richtmyer and Kennard, Introduction to Modern Physics (McGraw-Hill).

1364 (Arts and Science 36 and 36L) LIGHT, ADVANCED. Geometrical and physical optics; electromagnetic theory; interference; diffraction; polarization; simple spectrum analysis; determination of fine structure of spectral lines; Zeeman effect; theory and use of optical apparatus.

2 lectures per week, first term; 1 lecture per week, second term, and 3 hours laboratory per week, session. *Professor McPherson*

Reference books: Morgan, Introduction to Geometrical and Physical Optics (McGraw-Hill); Robertson, Physical Optics (Van Nostrand); Wood, Physical Optics (Macmillan); Drude, Optics (Longmans Green); Jenkins and White, Fundamentals of Optics (McGraw-Hill); Hardy and Perrin, The Principles of Optics (McGraw-Hill).

1366 (Part of Arts and Science 32). PROPERTIES OF MATTER. Surface tension; viscosity; diffusion; gravitation.

1 lecture per week, second term. *Professor Gunn*

Students in Engineering Physics are advised to attend these lectures, but are not required to take the final examination.

Reference books: Smith, General Properties of Matter (Arnold); Newman and Searle, General Properties of Matter (Benn); Beers, Introduction to the Theory of Error (Addison-Wesley).

1368 (Arts and Science 31). MECHANICS.

(a) Two dimensional mechanics of particles, systems of particles and of rigid bodies; chains and cables; mass-systems; motion under variable gravity, impulsive forces and couples; dissipative forces; forced and damped oscillations; normal modes of vibration of simple systems.

3 lectures per week, first term. *Professor Terroux*

Textbooks: Lamb, Statics (C.U.P.); Lamb, Dynamics (C.U.P.).

Reference books: Synge and Griffith, Principles of Mechanics (McGraw-Hill); Slater and Frank, Mechanics (McGraw-Hill); Lindsay, Physical Mechanics (Van Nostrand).

(b) Central orbits and scattering problems; Lagrangian and Hamiltonian equations; rotations; motion of rigid bodies, principal axes and moments of inertia; normal modes of vibration and characteristic frequencies of oscillating systems, with applications to atomic and molecular physics.

3 lectures per week, second term. *Professor E. L. Lomon (Mathematics)*

Textbook: Slater and Frank, Mechanics (McGraw-Hill).

Reference books: Goldstein, Classical Mechanics (Addison-Wesley); Corben and Stehle, Mechanics (Wiley).

1370. SOLID STATE PHYSICS. Physical principles underlying electrical conductivity, dielectric and magnetic properties of materials; electron emission phenomena.

2 hours a week. *Professor C. R. Crowell*

Text: R. L. Sproull, Modern Physics (Wiley).

FIFTH YEAR

1380. ACOUSTICS OF BUILDINGS. Room acoustics, sound insulation, and noise reduction, presented for architects. The second term is devoted to practical application.

1 lecture per week, first term.

2 hours laboratory per week, second term. *Professor Marshall*

Reference book: Knudsen and Harris, Acoustical Designing in Architecture (Wiley).

1382 (Arts and Science 43 and 43L). ATOMIC PHYSICS.

First term: Atoms, molecules and quanta; optical spectroscopy and classification of spectral lines; thermal radiation and the origin of the quantum theory; the nuclear atom and the Bohr theory of the hydrogen spectrum; Bohr-Sommerfeld quantization; further details of atomic spectra; the vector model, Zeeman effect; the periodic table; X-rays.

Second term: The advent of quantum mechanics, the uncertainty principle, the exclusion principle; the Schroedinger equation and some applications. Molecular spectra; microwave spectroscopy. Some current topics in atomic physics.

2 lectures and 3 hours laboratory per week, session.

Professors Martin, Mathison and Dr. Telford

Reference books: Peaslee, Elements of Atomic Physics (Prentice-Hall); Richtmeyer and Kennard, Introduction to Modern Physics (McGraw-Hill); Sawyer, Experimental Spectroscopy (Prentice-Hall); Herzberg,

Atomic Spectra and Atomic Structure (Dover); Slater, Modern Physics (McGraw-Hill).

1384 (Arts and Science 48 and 48L). ELECTRICAL MEASUREMENTS. Direct-current instruments and measurements; galvanometer theory; instrument calibration; alternating-current circuit theory; "operational" methods; applications; measurements at power, audio, and radio frequencies; measurements with Lecher wires; construction and testing of simple electrical devices; absolute measurements.

1 hour lecture per week, first term;
2 hours lectures per week, second term;
3 hours laboratory per week, session. *Professor Woonton*

Textbooks: Stout, Basic Electrical Measurements (Prentice-Hall); Harris, Electrical Measurements (Wiley).

Reference books: Law, Electrical Measurements (McGraw-Hill); Hague, Alternating Current Bridge Methods (Pitman, London); Harnwell, Principles of Electricity and Electromagnetism (McGraw-Hill); Campbell and Childs, Measurement of Inductance, Capacitance, and Frequency (Macmillan).

1388 (Arts and Science 42). ELECTROMAGNETIC THEORY. Field theory; electrostatics; Laplace's equation; dielectrics; magnetic fields of currents; magnetic materials; electromagnetic induction and Maxwell's equations; electromagnetic waves and energy flow; scalar and vector potentials. Application of these fundamental ideas is made to some of the following topics: skin effect; propagation of waves in conducting media; propagation of guided waves; the electromagnetic foundation of the optical laws of reflection and refraction; diffraction; radiation from antennae.

2 lectures per week, first term; 1 lecture per week, second term.
Professor Stansbury

Textbook: Slater and Frank, Electromagnetism (McGraw-Hill).

Reference book: Ramo and Whinnery, Fields and Waves in Modern Radio (Wiley).

1390 (Arts and Science 41). MATHEMATICAL PHYSICS. Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems; Fourier transforms and application to problems of heat conduction and diffusion; introduction to statistical mechanics and wave mechanics.

Same as Mathematics 1290.

3 lectures per week, session. *Professor R. T. Sharp*

Reference books: Margenau and Murphy, The Mathematics of Physics and Chemistry (McGraw-Hill); Coulson, Waves (Oliver and Boyd); Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand);

Menzel, Mathematical Physics (Prentice-Hall); Joos, Theoretical Physics (Blackie); Sommerfeld, Partial Differential Equations (Academic Press); Born, Atomic Physics (Blackie).

1392 (Arts and Science 44b). RADIOACTIVITY AND NUCLEAR PHYSICS. The phenomena of radioactive disintegration and the laws of transformations of successive products; the nature and properties of the radiations; methods of detection and of measurement; mechanisms of absorption and scattering; neutrons, positrons, and the constitution of nuclei; methods of producing artificial disintegrations and their products; introduction to nuclear physics.

2 lectures and 3 hours laboratory per week, second term

Professor Terroux

Reference books: Rutherford, Chadwick, and Ellis, Radiations from Radioactive Substances (Cambridge); Hevesy and Paneth, A Manual of Radioactivity (Cambridge); Cork, Radioactivity and Nuclear Physics (Van Nostrand); Lapp and Andrews, Nuclear Radiation Physics (Prentice-Hall); Semat, Introduction to Atomic and Nuclear Physics (Rinehart); Kaplan, Nuclear Physics (Addison-Wesley).

REGULATIONS CONCERNING STANDING AND PROMOTION

1. The standing of all students in the work of a class year is established in the Spring by the Committee on Registration, Standing and Promotion.
2. Its decision is based on an over-all view of the results the student has achieved in the FINAL EXAMINATIONS, which are written in April (or in January for first term courses).
3. A SUPPLEMENTAL EXAMINATION period is held in August-September. Only those students whose standings are PASSED INCOMPLETE PROMOTED may write papers during this period.
4. A student is assigned one of the following standings after writing all the FINAL EXAMINATIONS of the class year in which he is registered:

   (a) PASSED COMPLETE PROMOTED

   A satisfactory over-all average in the subjects of the class year and a minimum percentage of 50% in each one.

   (b) PASSED INCOMPLETE PROMOTED

   (1) A satisfactory over-all average in the subjects of the class year but less than 50% in subjects whose total weighted marks is NOT MORE THAN 20% of the aggregate marks of all the courses. He must write the subjects in which he has failed at

the next Supplemental Examination period. If he does not present himself for the Supplemental Examinations his standing may be altered to INCOMPLETE WITHDRAW UNTIL CLEAR at the discretion of the Committee.

(2) A student who fails to obtain a pass mark in any subject in the Supplemental Examination must re-write it again at the next Final Examination and obtain at least 60%. If he should fail again his standing is automatically altered to INCOMPLETE WITHDRAW UNTIL CLEAR. He must conform fully to paragraphs 2 and 3, describing that standing. Particularly, he is ineligible to write at any Supplemental Examination period.

(c) INCOMPLETE WITHDRAW UNTIL CLEAR

(1) A satisfactory over-all average in the subjects of the Class Year but less than 50% in subjects whose weighted marks total MORE THAN 20% of the aggregate marks of all the courses.

(2) A student who has been assigned this standing must re-write all subjects in which he has failed and other qualifying examinations, listed in paragraph (6) at the next FINAL EXAMINATION period.

(3) In order to be promoted he must pass all failed and qualifying subjects at the same FINAL EXAMINATION period.

(d) FAILED

(1) An unsatisfactory over-all average in the subjects of the Class Year.

(2) A student who has failed may re-write all the subjects of the year at a subsequent FINAL EXAMINATION period. He must obtain a mark of 60% in each subject to gain the standing PASSED COMPLETE PROMOTED.

5. A student whose standing is INCOMPLETE WITHDRAW UNTIL CLEAR, or FAILED, may make written application to repeat the work of the year to the Committee on Registration, Standing and Promotion prior to August 1st. At its discretion the Committee may permit a student to register to do so and set the level of performance he must attain.

6. QUALIFYING EXAMINATIONS

(a) A student whose standing is INCOMPLETE WITHDRAW UNTIL CLEAR must write and pass with 50% the following qualifying examinations (without fee) to complete the year. These are in addition to those subjects he has failed.

(i) YEAR ONE

	Mathematics	1203
	Chemistry	902
	Physics	1311

(ii) YEAR TWO

	Calculus	1224
	Mechanics	320
	Physical Chemistry	922

(Students proceeding to Chemical Engineering only)

(iii) YEAR THREE

Architecture	Mechanics	340
Chemical	Calculus	1242
	Chemistry	940
Electrical	Diff. Equations	1260
	Circuit Analysis	440
	Physics	1343
All Others	Mechanics	340
	Calculus	1242

(iv) YEAR FOUR

Architecture	Strength of Materials	373
Chemical	Chemical Tech.	260
	Chemical Eng.	264
	Thermodynamics	268
Civil	Strength of Materials	373
Electrical	Electrical Eng.	460
	Electronics	461
	Energy Conversion	462
Mechanical	Applied Thermodynamics	571
	Fluid Dynamics	573
	Machine Design	575
Metallurgical	Strength of Materials	373
	Chemistry	964
Mining	Strength of Materials	373

(b) The Qualifying examinations must be written each time a student in the INCOMPLETE WITHDRAW Class writes a paper in a failed subject.

McGill University

Montreal

Faculty of Medicine

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine (Undergraduate courses)
Faculty of Medicine (Postgraduate courses)
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

Lloyd G. Stevenson, B.A., M.D., Ph.D. — *Dean of the Faculty*

S. M. Banfill, M.B.E., B.A., M.D., C.M. — *Secretary of the Faculty*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

Richard Pennington, B.A., Lib.Dip. — *University Librarian*

W. W. Francis, A.B., M.D. (Johns Hopkins), M.D.,C.M. — *Osler Librarian*

Special Announcements are available for the School of Physical and Occupational Therapy, and the School for Graduate Nurses.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

Faculty of Medicine

The one hundred and twenty-seventh session of the Faculty will open on September 9th, 1959, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) *Total Academic Credits:*

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) *Scientific Requirements:*

In the scientific branches, certain subjects are specifically required:
Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.
Physics, one year with laboratory work.
Biology, or *Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) *Cultural Requirements:*

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

(d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of $5.00 in the form of a cheque or money order payable to McGill University.

A fee of $50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office in Dawson Hall on Friday, September 4th or Tuesday, September 8th, 1959. Those who register late will be required to pay a late registration fee of $5.00 if they register during the first week of the session and $10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

1. REGULAR STUDENTS

Annual fee (including Students' Society and Medical Students' Journal fees)		$750.00
Students in the Fourth year also pay for meals at the Royal Victoria Montreal Maternity Hospital		$ 5.00
If paid in two instalments:		
First year only —		
First instalment, on registration	375.00	
Instalment fee	2.50	
	377.50	
Less half deposit	25.00	$352.50
Second instalment, January 15th		$352.50
Second and Third years, each instalment		$377.50
Fourth year, each instalment		$380.00

2. REPEATING STUDENTS

Students repeating a year pay full fees.

3. AD EUNDEM FEE

Students entering any year above the First, pay a special *ad eundem* fee of..... $10.00

4. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

The fee for the course leading to this diploma is $100.00 for those already holding the D.P.H. For all others fee is $250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office, Dawson Hall, between the hours of 9 a.m. and 4 p.m. on the following dates.

Friday, September 4th to Friday, September 11th, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. The University does not rent microscopes to medical students.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D.,C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

a. four years of medical study in the University leading to the degree of M.D.,C.M.; and

b. one year of interneship in an approved hospital,

or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are four sessions of thirty-six weeks each exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June.

The academic session is divided into three terms of 12 weeks each in all sessions. The minimal period of study for the degree of M.D.,C.M., is, therefore, four sessions of study comprising one hundred and forty-four weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Embryology), Histology, Physiology, Biochemistry, Child Development and Human Relations, Introduction to Medicine, General Pathology, History of Medicine.

SECOND SESSION

Anatomy, Neuroanatomy, Medical Microbiology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics, Health and Social Medicine, Psychiatry, Special Pathology, Radiology, History of Medicine.

THIRD SESSION

Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Medical Jurisprudence, Neurology and Neurosurgery, Paediatrics, Psychiatry, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia, Electives.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Therapeutics.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Medical Microbiology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

The examinations in Medicine and Surgery at the conclusion of the Third Session are ranked as major examinations, even though they are not the final examinations in these subjects.

Minor examinations include the final examinations in Neuro-anatomy Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc. will ordinarily be held during the session only at the end of the twelve week terms. If is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies. In the Fourth year final examinations will be held at the end of each rotation.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Medical Microbiology and Pathology, appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Medical Microbiology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

GRADING

At the conclusion of each course, students are graded in five groups as follows:

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

REQUIREMENTS FOR THE DEGREE OF M.D.,C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than nine months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608).

3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk in Medicine and in Surgery and have fully reported upon the prescribed number of medical and surgical cases.

6. He must also have attended the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q.

ONTARIO—Dr. H. McPhedran, 174 St. George St., Toronto 5, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. M. R. Macdonald, Victoria General Hospital, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. R. G. Lea, 170 Fitzroy St., Charlottetown, P.E.I.

MANITOBA—Dr. M. T. Macfarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley-Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. G. N. Peacock, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. Lynn Gunn, 1807 West 10th Avenue, Vancouver 9, B.C.

NEWFOUNDLAND—Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 77 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Associate Professor	R. G. B. GILBERT, *Chairman*
Wellcome Research Professor	J. G. ROBSON
Assistant Professors	W. G. CULLEN
	H. T. DAVENPORT
	R. S. FERGUSON
	ALAN B. NOBLE
Lecturers	P. R. BROMAGE
	GLADYS ELLISON
	J. J. KELLY
	R. A. MILLAR
	P. E. O'SHAUGHNESSY
	D. G. POWER
Demonstrators	J. D. A. FIRTH
	D. GILLIES
	E. W. LARKING
	A. W. MCDONALD
	D. J. L. MACWATT
	A. N. MUNGALL
	ANNE RICHARDSON
	J. K. ROSALES
	C. A. SHERIDAN
	F. R. H. WRIGLEY
Fellow	MARGARET N. BARR

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown which is followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecture-demonstrations.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF ANATOMY

Professors	C. P. LEBLOND, *Chairman* C. P. MARTIN
Associate Professors	S. M. BANFILL J. LANGMAN
Assistant Professor	Y. CLERMONT
Lecturers	L. HELLER I. SMART E. W. WORKMAN
Research Associate	H. ISLER
Teaching Fellows	N. J. NADLER B. PEREY

REQUIRED COURSES

1. GROSS ANATOMY

Four hours lectures and eight hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year. This course includes Surface and Radiological Anatomy.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: T. B. Johnston and J. Whillis, Gray's Anatomy, 31st ed. (Longmans 1954) or J. C. Brash, Cunningham's Text-Book of Anatomy 9th ed. (Oxford 1951).

Practical Manual: J. T. Aitken *et al.*, A Manual of Human Anatomy, 5 vols. (Livingstone 1956).

Surface Anatomy: A. B. Appleton *et al.*, Surface and Radiological Anatomy, 3rd ed. (Heffer 1949).

Optional Texts: J. E. Frazer, Anatomy of the Human Skeleton, 4th ed. (Churchill 1940); J. C. B. Grant, An Atlas of Anatomy, 4th ed. (Williams and Wilkins 1956); J. C. B. Grant, A Method of Anatomy, 5th ed. (Williams and Wilkins 1952); E. B. Jamieson, Illustrations of Regional Anatomy, 7th ed. (Livingstone 1947); T. B. Johnston, A Synopsis of Regional Anatomy, 8th ed. (Churchill 1957); A. Lee McGregor, Synopsis of Surgical Anatomy, 7th ed. (Wright 1950); S. W. Ranson and S. L. Clark, Anatomy of the Nervous System, 9th ed. (Saunders 1953).

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two or three hours lectures and six or nine hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: A. W. Ham, Histology, 3rd ed. (Lippincott 1957); A. A. Maximow and W. Bloom, A Textbook of Histology, 7th ed. (Saunders 1957); P. E. Smith and W. M. Coperhaver, Bailey's Textbook of Histology, 13th ed. (Williams and Wilkins 1953).

Additional Reading: E. V. Cowdry, A Textbook of Histology, 4th ed. (Lea and Febiger 1950); E. D. P. DeRobertis, W. W. Nowinski and F. A. Saenz, General Cytology, 2nd ed. (Saunders 1954); R. O. Greep, Histology (Blakiston 1954).

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

(a) A seminar on biological problems—1 hour per week.

(b) A practical course on the planning of biological experiments, laboratory animal management and operations, histological and histometrical techniques, tracing methods (Radioisotope measurement by Geiger counter and localization in tissue section by radioautography), microphotography, statistical methods for assessing data, etc. One hour lecture and 2 hours laboratory per week.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during the second half of the first medical year. Topics emphasized are: early stages of development; the cardio-vascular, respiratory, gastro-intestinal, uro-genital and nervous system; and the fetal membranes. Laboratory work consists of studying selected sections of the 10 mm. pig, a set of models placed on demonstration each week, and a demonstration of live material.

Textbooks: L. B. Arey, Developmental Anatomy, 6th ed. (Saunders 1954); W. J. Hamilton *et al.*, Human Embryology, 2nd ed. (Heffer 1952); Section on Embryology in Cunningham's Textbook of Anatomy. See page 1; Section of Embryology in Gray's Anatomy. See page 1.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor	R. W. Reed, *Chairman*
Associate Professors	G. G. Kalz
	J. W. Stevenson
Assistant Professors	Fritz Blank
	C. A. Butas
	A. M. Masson
	Grace Robertson
Lecturers	E. Mankiewicz
	B. H. Matheson
	O. Morgante
	Raissa Silov

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

21. MEDICAL MICROBIOLOGY

This course deals with the general principles of medical microbiology and immunology. The lectures are concerned with the anatomy and physiology of bacteria, theories of infection and immunity and a systematic study of the pathogenic bacteria, viruses and rickettsiae. The animal parasites of man (protozoa, helminths and anthropods) are considered with special emphasis on those found in North America. Laboratory work provides experience in the cultivation, isolation and identification of microorganisms and an opportunity to observe their physiological and immunological properties.

Lectures and laboratory work during the first two trimesters of the Second year.

Textbooks: Wm. Burrows, Textbook of Microbiology, 16th ed. (Saunders 1954); Ernest Jawetz *et al.*, Review of Medical Microbiology, 2nd ed. (Lange 1956); D. T. Smith *et al.*, Zinsser's Bacteriology, 11th ed. (Appleton 1957). T. W. M. Cameron, The Parasites of Man in Temperate Climates, 2nd ed. (Univ. of Toronto Press, 1956).

References: R. J. Dubos, Bacterial and Mycotic Infections of Man, 3rd ed. (Lippincott 1958); Sidney Raffel, Immunity (Appleton 1953); A. J. Rhodes and C. E. Van Rooyen, Textbook of Virology, 3rd ed. (Williams and Wilkins 1958); T. M. Rivers, Viral and Rickettsial Infections of Man, 3rd ed. (Lippincott 1958).

42. ADVANCED MICROBIOLOGY

42a. IMMUNOLOGY

44. BACTERIOLOGY READING COURSE AND THESIS

OTHER COURSES

The Department offers facilities for undergraduate and graduate training. See the announcements of the Faculty of Arts and Science and of the Faculty of Graduate Studies and Research.

DEPARTMENT OF BIOCHEMISTRY

Professors — D. L. THOMSON, *Chairman*; K. A. C. ELLIOTT; J. H. QUASTEL

Associate Professor — O. F. DENSTEDT

Assistant Professors — E. H. CREASER; ESAU HOSEIN; P. G. SCHOLEFIELD; T. L. SOURKES

FIRST YEAR

BIOCHEMISTRY-PHYSIOLOGY 1. Mon. to Sat., at 9 a.m.

BIOCHEMISTRY-PHYSIOLOGY 1L.

Laboratory: six hours a week. *Staff*

BIOCHEMISTRY-PHYSIOLOGY 1D. Demonstration in Physiology and Biochemistry.
1 hour per week.

This is an integrated course of lectures and laboratory work given jointly by the two departments.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor — R. P. VIVIAN, *Chairman*

Associate Professors — D. S. FLEMING; C. W. MACMILLAN; MARGARET E. NIX

Assistant Professor	MARIAN BAIN
Lecturers	H. E. BURKE
	J. E. DE BELLE
	F. M. JONES
	W. STORRAR
	MILTON G. TOWNSEND
	J. G. TURNER
	FREDERICK WIENER
Demonstrators	A. STEWART ALLEN
	EDITH M. MANKIEWICZ

The Department provides two courses for undergraduates in the Faculty of Medicine—Public Health and Preventive Medicine, and Medical Ethics and Jurisprudence.

The course in Public Health and Preventive Medicine is begun in the autumn term of the Second year and contains, for each student, 40 lectures of 1 hour each and 11 demonstrations or field trips or practice sessions of 2½ hours each, a total time of 67½ hours.

The lectures deal with Epidemiology as a medical science and with the application of epidemiological principles to the study of disease causation and behaviour. Special emphasis is placed upon the influence of the environment upon health. Nutrition is also dealt with as a problem of ecology. Medical Statistics, including Vital Statistics, deals with census and estimated populations, registration, definition and computation of rates, and with statistical methods and techniques most frequently used in medical work.

Industrial Toxicology. Four lectures on (a) dusts, fumes, smokes, mists, mists, fogs and vapours (b) metal fume fever (c) arsenic, lead and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

Field trips, demonstrations and practice sessions pertinent to the lecture material are arranged which include visits to a water plant and a provincial laboratory; a discussion period on vital statistics; and audio-visual demonstrations on milk and other foods. Four sessions are held in health education and three practice sessions in medical statistics are provided.

A minor examination is held at the end of the Second year.

The second part of the course in Public Health and Preventive Medicine is given in the Third year. This part contains 12 lectures given to the

class as a whole at weekly intervals during the autumn term and 24 morning sessions of 2½ hours each, in each of the six week concentration periods provided in the curriculum. The total time for each student in the Third year is 72 hours.

The lectures deal with the prevention and control of tuberculosis, industrial health services, exotic diseases, the principles of education and medical economics.

The concentration periods are designed to provide an outline of the organization and activities of public health services in Canada and the operation of local or municipal public health programs, together with didactic material on the etiology, epidemiology and control of specific infectious diseases with demonstration and practice in the use of immunizing agents. The concentration periods also contain the presentation of didactic material on health supervision policies for particular groups in the community with demonstration and discussion. One session is held on hospital-interne relationships.

A final examination is held at the end of the Third year.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Text and Reference Books: H. R. Leavell and E. G. Clark, Preventive Medicine for the Doctor in his Community, 2nd ed. (McGraw-Hill 1958); H. S. Mustard, Introduction to Public Health, 3rd ed. N.Y. (Macmillan 1953); M. J. Rosenau, Preventive Medicine and Public Health, ed. by K. F. Maxcy, 8th ed. (Appleton 1956).

MEDICAL ETHICS AND JURISPRUDENCE

The course in Medical Ethics and Jurisprudence consists of some 12 lectures, given to the class as a whole, in the spring term of the Second year.

MEDICAL ETHICS AND JURISPRUDENCE

Twelve lectures on (a) legal status of physicians (b) obligation of the doctor to the state (c) professional secrecy—privileged communications (d) responsibility to the patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Texts and Reference Books: i. *General:* R. J. M. Buchanan, Textbook of Forensic Medicine and Toxicology, 9th ed. (Livingstone 1925); John Glaister, Medical Jurisprudence and Toxicology, 9th ed. (Williams and Wilkins 1953); T. A. Gonzales *et al.*, Legal Medicine, 2nd ed. (Appleton 1954); D. J. A. Kerr, Forensic Medicine, 5th ed. (Black 1954); H. H. Littlejohn, Forensic Medicine (Churchill 1925); R. H. Long, The Physician and the Law (Appleton 1955); W. D. McNally, Toxicology, Chic., (Indus. Medicine 1937); Sydney Smith and F. S. Fiddes, Forensic Medicine, 10th ed. (Churchill 1955); Sydney Smith and John Glaister, Recent Advances in Forensic Medicine, 2nd ed. (Churchill 1939); A. S. Taylor, Principles and Practice of Medical Jurisprudence, vol. 1, ed. by Sydney Smith, 11th ed. (Churchill 1956).

ii. *Industrial Toxicology:* Ethel Browning, Toxicity of Industrial Organic Solvents, 2nd ed. (H.M.S.O. 1953) (G.B. Med. Res. Counc. Indus. Health Res. Bd. Rept. no. 80); Yandell Henderson and H. W. Haggard, Noxious gases, 2nd ed. (Reinhold 1953); Donald Hunter, Industrial Toxicology (Oxford 1944).

HISTORY OF MEDICINE

Professor LLOYD G. STEVENSON

REQUIRED COURSES

1. INTRODUCTORY COURSE (First year)
   A series of 8 lectures given during the first month of the medical course to provide an historical orientation to the student entering upon the study of medicine.

2. HISTORY OF MEDICINE (Fourth year).
   A series of 24 lectures providing a chronological survey of the history of medicine and a consideration of the history of some major diseases. A weekly lecture during Fall and Winter terms.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor J. S. L. BROWNE, *Chairman*

Assistant Professors C. J.-P. GIROUD
N. KALANT

Lecturers IVAN BECK
B. L. FRANK
M. M. GOLD

The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals. The Department is also prepared to make arrangements to offer elective courses for Medical undergraduate students.

The courses and the direction of research in this department are given in close collaboration with the Department of Experimental Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the Medical Building or in one of a number of hospitals depending on the type of work done (clinical or laboratory) or upon the individual directing the research. Part of the function of the department is the correlation of clinical investigation being done at various hospitals.

Students holding either the M.D. or B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable. For the list of courses and further details see the Calendar of the Faculty of Graduate Studies and Research.

DEPARTMENT OF MEDICINE

Professors

RONALD V. CHRISTIE, *Chairman*
D. G. CAMERON

Associate Professors

D. V. BATES
J. C. BECK
E. H. BENSLEY
NEIL FEENEY
C. W. FULLERTON
W. H. P. HILL
M. M. HOFFMANN
J. G. HOWLETT
LOUIS LOWENSTEIN
H. S. MITCHELL
BRAM ROSE

Assistant Professors

L. J. ADAMS
R. C. BENNETTS
F. M. BOURNE
H. E. BURKE
G. A. COPPING
ELEANOR MCGARRY
MAURICE MCGREGOR
R. D. MCKENNA
J. F. MEAKINS
IAN MILNE

Inge Dyrenfurth
A. F. Fowler
G. W. Halpenny
L. G. Johnson
W. R. Kennedy
K. R. Mackenzie
C. J. Pattee
H. N. Segall
F. M. Smith
A. T. Thom
S. R. Townsend
R. V. Ward

Lecturers

Michael Aronovitch
C. M. Ballem
C. S. Barker
R. G. Baxter
M. R. Becklake
J. O. W. Brabander
S. Brown
Lauder Brunton
R. A. Cleghorn
K. A. Dowden
P. A. Edwards
Allen Gold
Alec Gordon
R. G. M. Harbert
Cecil Harris
Ronald Hobkirk
A. W. Lapin
W. Leith
B. A. Levitan
D. J. MacIntosh
Lester McCallum
C. J. Malloy
R. O. Morgen
M. Notkin
J. A. P. Pare
R. E. G. Place
J. S. Polson
T. L. Quintin
E. A. S. Reid
Lorne Shapiro
Murray Stalker
P. G. Weil
G. E. Wight
D. H. Woodhouse

Demonstrators

Eva Arendt
David Barza
T. A. Brown
Lloyd Caswell
Parker Chesney
William Cohen
S. R. Cooper
Basil Cuddihy
J. H. Darragh
N. M. K. deLeeuw
J. B. Dossetor
S. Eidinger
T. R. Hale
G. E. Joron
A. Knight
W. A. R. Laing
C. C. Macdonald
Melvin McQuitty
D. M. Marcus
John Martin
Alexander Miller
Bernard Pollak
Jack H. Rubin
J. A. Shanks
C. H. Stacey
R. L. Stanford
P. B. Stewart
David Stubington
Joseph Wener
J. G. G. Young

THERAPEUTICS

Associate Professors

C. W. Fullerton — J. G. Howlett

Lecturers

G. H. Fisk — A. Miller
B. A. Levitan

DERMATOLOGY

Associate Professors — L. P. Ereaux, R. R. Forsey

Assistant Professors — G. E. Craig, Frederick Kalz, B. D. Usher

Demonstrators — M. S. Cohen, Paula Schopflocher, P. P. Telner

EXPERIMENTAL MEDICINE

Associate Professor — Eleanor H. Venning

Assistant Professor — ———

N.B. See Postgraduate Faculty Calendar.

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

COURSE II 2—A PRACTICAL COURSE IN CLINICAL METHODS

Time—Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3—LABORATORY DIAGNOSIS

Time—Last term of Second year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. *Dr. E. McGarry and Assistants*

THIRD YEAR

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 6—CLINICO-PATHOLOGICAL CONFERENCE

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDOCRINOLOGY

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting in Medicine.

FOURTH YEAR

COURSE IV 10—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during the medical term.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout the year.

Place—Medical Building.

Subject—Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY

Place—Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place—The Montreal General and Royal Victorial Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned, writing case reports, and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: R. C. Cabot and F. D. Adams, Physical Diagnosis, 13th ed. (Wood 1942); R. B. H. Gradwohl, Clinical Laboratory Methods and Diagnosis, 5th ed. (Mosby 1956); T. H. Ham, ed., A Syllabus of Laboratory Examination in Clinical Diagnosis (Harvard Univ. Pr. 1952); Robt. Hutchison and Donald Hunter, Clinical Methods, 12th ed. (Lippincott 1949); S. S. Leopold, The Principles and Methods of Physical Diagnosis, 2nd ed. (Saunders 1957); McGill University, Dept. of Medicine, Guide to Medical Case Reporting, 2nd ed., 1943; R. H. Major and M. H. Delp, Physical Diagnosis, 5th ed. (Saunders 1956); J. C. Todd *et al.*, Clinical Diagnosis by Laboratory Methods, 12th ed. (Saunders 1953); Harry Walker, Physical Diagnosis (Mosby 1952).

Physio-Pathology: C. H. Best and N. B. Taylor. The Physiological Basis of Medicine, 6th ed. (Williams and Wilkins 1955); Meyer Bodansky and Oscar Bodansky, Biochemistry of Disease, 2nd ed. N.Y. (Macmillan 1952); Abraham Cantarow and Max. Trumper, Clinical Biochemistry, 5th ed. (Saunders 1955); C. H. Gray, Clinical Chemical Pathology (Williams and Wilkins 1953); J. P. Peters and D. D. Van Slyke, Quantitative Clinical Chemistry, vol. 1: Interpretations, 2nd ed. (Williams and Wilkins 1946); W. A. Sodeman, Pathologic Physiology, 2nd ed. (Saunders 1956); Samson Wright, Applied Physiology, 9th ed. (Oxford 1952).

General Medicine: R. L. Cecil and R. F. Loeb, Textbook of Medicine, 9th ed. (Saunders 1955); J. J. Conybeare and W. N. Mann, Textbook of Medicine, 12th ed. (Livingstone 1957); T. R. Harrison, Principles of Internal Medicine, 2nd ed. (Blakiston 1954); J. C. Meakins, Practice of Medicine, 5th ed. (Mosby 1956); W. M. Yater, Fundamentals of Internal Medicine, 4th ed. (Appleton 1954).

Differential Diagnosis: W. M. Barton and W. M. Yater, Symptom Diagnosis, 4th ed. (Appleton 1942); T. D. Savill, System of Clinical Medicine, 12th ed. (Williams and Wilkins 1944).

Dermatology and Syphilology: R. W. MacKenna, Diseases of the Skin by R. M. B. MacKenna, 5th ed. (Williams and Wilkins 1952); Norman Tobias, Essentials of Dermatology, 5th ed. (Lippincott 1956); Norman Walker and G. H. Percival, Introduction to Dermatology, 12th ed. (Livingstone 1956).

Miscellaneous Reference Books: G. G. Duncan, Diseases of Metabolism, 3rd ed. (Saunders 1952); C. K. Friedberg, Diseases of the Heart, 2nd ed. (Saunders 1956); E. P. Joslin, Diabetic Manual for the Doctor and Patient, 9th ed. (Lea and Febiger 1953); J. S. McLester and W. J. Darby, Nutrition and Diet in Health and Disease, 7th ed. (Saunders 1958); O. S. Ormsby and Hamilton Montgomery, Diseases of the Skin, 8th ed. (Lea and Febiger 1954); E. H. Rubin, Diseases of the Chest (Saunders 1947); Samuel Soskin, Progress in Clinical Endocrinology (Grune 1950); R. L. Sutton and R. L. Sutton, Diseases of the Skin, 11th ed. (Mosby 1956); H. B. Taussig, Congenital Malformations of the Heart (Oxford 1948); L. E. H. Whitby and C. J. C. Britton, Disorders of the Blood, 7th ed. (Churchill 1953); M. M. Wintrobe, Clinical Hematology, 4th ed. (Lea and Febiger 1956).

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Chairman	Wilder Penfield
Professor of Neurology and Neurosurgery	Theodore Rasmussen
Professor of Neurology	Francis McNaughton
Professor of Experimental Neurology	Herbert Jasper
Associate Professor of Experimental Neurology	K. A. C. Elliott
Associate Professor of Neurological Radiology	Donald McRae
Assistant Professors of Neurology	J. B. R. Cosgrove D. L. Lloyd Smith Preston Robb W. F. T. Tatlow
Assistant Professor of Neuropathology	Gordon Mathieson
Assistant Professors of Neurosurgery	Harold Elliott Arthur Elvidge
Assistant Professor of Experimental Neurology	Pierre Gloor
Lecturers in Neurology	Bernard Graham D. E. Howell Reuben Rabinovitch
Lecturer in Neurosurgery	Gilles Bertrand
Lecturer in Experimental Neurology	Hanna Pappius
Lecturer in Clinical Psychology	Brenda Milner
Demonstrators in Neurology	Irvin Heller Allan Morton Gordon Thompson

Demonstrators in Neurosurgery — Ellis Keener, Charles Branch, Antonio Aguilar

Demonstrator in Neuropathology — Antone Tarazi

Demonstrator in Electroencephalography — Lewis Henderson

Fellows of the Montreal Neurological Institute:

J. Antonio Aguilar
Frederick Andermann
Geneviève Arfel
Jesse Barber
Emil Berger
Jerzy Bidzinski
Perry Black
David Bloom
John Blundell
Everett Bovard
Charles Branch
Peter Brandt
William A. Bryans
Betty Chester
Floyd Cooper
J. P. Cordeau
D. S. Dadhich
Vijay Dave
Shirley Fyles
John Garner
Henry Garretson
Daniel Gonzalez
D. R. Gulati
Jan Gybels
W. Stuart Heustis
A. Maxwell House
John A. Jane
Kenneth Kapphahn
Ellis B. Keener
John C. Kennady
Israel Libman
Huntingdon Mavor
Roger Morrell
Mary Morrow
Allan Morton
Enrique Ramon Moliner
Phanor L. Perot
Cone Pevehouse
Siteshendra Nath Ray
Richard Rovit
Hugh Samson
Lucjan Stepien
Veronique Sussett
Prakash Tandon
Antone Tarazi
Gordon Thompson
Cristian Vera
Shinjiro Yamamoto

SECOND YEAR

2A ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the second term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, Physiology and Psychology.

Professors McNaughton, Jasper, Burns and Hebb

2B NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 2 lectures. Department of Medicine, Course II, 1. *Professor Rasmussen*

2C NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. M.G.H. Department of Medicine. *Dr. Tatlow*

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 23 lectures. Saturdays, 8:45 to 9:40. M.N.I. Amphitheatre.
Professors Rasmussen, McNaughton and staff

FOURTH YEAR

4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 19 lecture clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre.
Professors Cone, Robb and staff

4B-1 CLINICAL DEMONSTRATIONS. R.V.H. Outpatient Department. Monday and Thursday,* 2:00 to 3:00. *Professor McNaughton and Assistants*

4C-1 NEUROLOGY WARD CLASSES. Wednesdays, 8:45 to 9:45 a.m. M.N.I. (R.V.H. group) *Professor McNaughton and Assistants*

4B-2 and 4C-2 CLINICAL DEMONSTRATIONS. M.G.H. Outpatient Department. Mondays and Fridays, 2:00 to 3:00. *Dr. Tatlow and Assistants*

4D-1 NEUROSURGERY WARD CLASSES. M.N.I. (R.V.H. group) Mondays, 1:00 to 2:00. *Professor Cone and Assistants*

4D-2 NEUROSURGERY WARD CLASSES. M.N.I. (M.G.H. group) Thursdays, 1:00 to 2:00. *Professor Elvidge and Assistants*

4E-1 NEUROLOGY SEMINAR. Wednesdays, 2:00 to 3:00. M.N.I. (M.G.H. group) *Professor McNaughton and Assistants*

4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00 to 4:00. (M.G.H. group) *Dr. Tatlow and Assistants*

Fourth year students in Medicine at the Royal Victoria Hospital are assigned some neurological cases in the Montreal Neurological Institute for case reporting.

ELECTIVE COURSES

A. SEMINAR IN NEUROANATOMY, M.N.I.

1. This course in given in combination with course Med. 2A "Anatomy and Physiology of the Central Nervous System"—September to end of November.
2. Additional graduate seminars will be held co-ordinated with Course B.
3. Graduate students are expected to pass the same examination which is given in undergraduate course Med. 2A, but with higher standing, and to act as demonstrators. *Professor McNaughton*

*Two Thursdays per month only.

4. Advanced Neuroanatomy for selected group; times to be arranged.
Professor McNaughton

B. SEMINAR IN NEUROPHYSIOLOGY.

1. Lectures and examination together with undergraduate course Med. 2A "Anatomy and Physiology of the Central Nervous System"
2. Weekly seminars and demonstrations co-ordinated with Course A-2 (4 months, beginning in December). Mondays, 4:30 to 6:00 p.m.
3. Under exceptional circumstances, a paper on a neuro-physiological subject may be written by special arrangements as a substitute for B-1.

Professors Jasper, Elliott and Gloor

C. COLLOQUIUM IN CLINICAL NEUROLOGY.

1 hour weekly, clinics and lectures, Wednesdays, 5:00 p.m. M.N.I. (9 months). *Staff and Visiting Lecturers*

D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: CLINICAL ELECTRO-ENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE.

M.N.I. 1½ hours weekly (9 months). Tuesdays, 4:30 to 6:00 p.m.
Professors Penfield, Rasmussen, Jasper, McNaughton and McRae

E. OUTLINE OF NEUROCHEMISTRY

Instruction in neurochemistry in addition to that provided in course B-2 may be obtained by special arrangement. *Professor Elliott*

F. NEUROPATHOLOGY.

1. Six months laboratory work in surgical neuropathology.
2. Conference in neurosurgical pathology, Friday 5-6 p.m.
Professor Cone
3. Six months laboratory work in neuropathology.
4. Conference in neurological pathology, alternate Thursdays 4:30 to 6:00 p.m. *Professor Mathieson*
5. Introduction to Histopathology of the Nervous System. A short basic course for a limited number. By special arrangement with Professor Mathieson.

For graduate credit, courses Nos. 2 and 4 are required and either No. 1 or No. 3 as arranged with the staff. Under special circumstances, written and/or oral examinations may be substituted for No. 1 or No. 2 of the above courses for students who have taken course 5.

G. NEUROLOGICAL RADIOLOGY.

1. Lecture demonstrations (3 months beginning in September). Mondays 4:30 to 6:00 p.m.

2. Colloquium, 1 hour weekly (9 months) Mondays, 9:00 a.m.
Professor McRae

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor — G. B. MAUGHAN, *Chairman*

Assistant Professors
W. R. FOOTE
J. P. A. LATOUR
K. T. MACFARLANE
THOMAS PRIMROSE
G. A. SIMPSON
D. W. SPARLING
G. J. STREAN

Lecturers
GRACE DONNELLY
MYER HENDELMAN
J. L. MACARTHUR
J. H. ROUTLEDGE
F. J. TWEEDIE

Demonstrators
P. R. BLAHEY
H. B. BOURNE
J. R. DODDS
SIMON GOLD
J. S. HENRY
E. A. MACCALLUM
HARRY OXORN
JOSEPH PORTNUFF

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of close observation of the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of five, during this period. Individual instruction is given by the Staff.

REQUIRED COURSES

SECOND YEAR—

Twelve lectures are given as an introduction to the subject. These lectures are on the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professor Maughan

THIRD YEAR—

OBSTETRICS

1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, and the puerperium. *Senior members of the Staff*

2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations. *Members of Staff*

3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital. *Members of Staff*

4. Six seminars on principles and theory of obstetrics. *Members of Staff*

5. Six classes to demonstrate the care of the newborn. *Dr. G. Nickerson and Assistants*

GYNAECOLOGY

1. Five lectures to describe the more common gynaecological diseases *Professor Ward and Assistants*

2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynaecological disorders. *Professor Ward and Assistants*

FOURTH YEAR—

OBSTETRICS

1. Thirty-four clinical demonstrations to illustrate the management of obstetrical complications. *Professor Maughan*

2. Group ward rounds once a week to present the current interesting cases. *Professor Maughan and Dr. Primrose*

3. Twenty-four hours in bedside clinics and the caseroom to teach the management of the obstetrical patient. *Senior members of the Staff*

4. Facilities are presented for attending sixteen antenatal clinics. *Members of the Staff*

5. Four hours of Manikin instruction. *Members of the Staff*

6. Four lectures on Newborn Paediatrics together with eight demonstrations in the nurseries. *Dr. G. Nickerson and Assistants*

GYNAECOLOGY

1. Twelve bedside clinics to be given in the gynaecology wards. *Senior members of the Staff*

2. Eight lecture-demonstrations in Gynaecological Pathology. *Dr. Latour and Assistants*

3. Four hours of clinical instruction are given on the diagnosis and treatment of genital cancer. *Dr. Latour*

4. Facilities are extended for attending sixteen gynaecology outpatient clinics. *Members of the Staff*

5. Four revision seminars on Clinical Endocrinology. *Members of the Staff*

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Obstetrics Text and Reference Books: A. C. Beck and A. H. Rosenthal, Obstetrical Practice, 6th ed. (Williams and Wilkins 1955); J. B. De Lee, and J. P. Greenhill, Obstetrics, 11th ed. (Saunders 1955); G. F. Gibberd, A Short Textbook of Midwifery, 6th ed. (Churchill 1955); J. W. Williams, and N. J. Eastman, Obstetrics, 11th ed. (Appleton 1956).

Gynaecology Text and Reference Books: A. H. Curtis and J. W. Huffman, Textbook of Gynecology, 6th ed. (Saunders 1950); Diseases of Women by Ten Teachers, ed. by R. W. Roques, 9th ed. (Williams and Wilkins 1953); Emil Novak and E. R. Novak, Textbook of Gynecology, 5th ed. (Williams and Wilkins 1956); Wilfred Shaw and John Howkins, Textbook of Gynaecology, 7th ed. (Churchill 1956).

DEPARTMENT OF OPHTHALMOLOGY

Professor	JOHN C. LOCKE, *Chairman*
Associate Professor	BENJAMIN ALEXANDER
Assistant Professors	J. V. V. NICHOLLS
	R. J. VIGER
Lecturers	S. T. ADAMS
	L. S. S. KIRSCHBERG
	WILLIAM TURNBULL
Demonstrators	R. A. BOURNE
	J. B. CONROY
	HUGH DUNCAN
	SEAN B. MURPHY
	R. W. PEARMAN
	R. B. RAMSAY

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class is small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

2. LECTURES TO ENTIRE CLASS

This course covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Eleven hours.

FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of seven, each group receiving twenty hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Textbooks: S. R. Gifford and F. H. Adler, Textbook of Ophthalmology, 6th ed. (Saunders 1957); May and Worth's Manual of Diseases of the Eye, 11th ed. (Bailliere 1954); Eugene Wolff, Anatomy of the Eye and Orbit (Blakiston 1954); Eugene Wolff, Pathology of the Eye, 2nd ed. (Blakiston 1945).

Reference Books: W. S. Duke-Elder, Textbook of Ophthalmology (Mosby 1932-54) 7 vols.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor — W. J. McNALLY, *Chairman*

Assistant Professors — E. R. HARFORD, E. E. SCHARFE, E. A. STUART

Lecturers — H. E. McHUGH, F. W. SHAVER

Demonstrators — J. D. BAXTER, ARNOLD GROSSMAN, R. W. HYDE, G. T. SHIMO, E. JOHN SMITH

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Twelve practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Text and Reference Books: H. C. Ballenger and J. J. Ballenger, A Manual of Otology, Rhinology and Laryngology, 4th ed. (Lea and Febiger 1954); L. R. Boies, Fundamentals of Otolaryngology, 2nd ed. (Saunders 1954); Chevalier Jackson and C. L. Jackson, Bronchoesophagology (Saunders 1950); Chevalier Jackson and C. L. Jackson, Diseases of the Nose, Throat and Ear, 2nd ed. (Saunders 1957); W. W. Morrison, Diseases of the Ear, Nose and Throat, 2nd ed. (Appleton 1955); St. Clair Thomas and V. E. Negus, Diseases of the Nose and Throat, 6th ed. (Cassell 1955); A. Logan Turner, Diseases of the Nose, Throat and Ear, 5th ed. (Wright 1952); T. G. Wilson, Diseases of the Ear, Nose and Throat in Children (Heinemann 1955); G. D. Wolf, Ear, Nose and Throat (Lippincott 1947).

DEPARTMENT OF PAEDIATRICS

Professor	ALAN ROSS, *Chairman*
Associate Professors	R. L. DENTON
	A. K. GEDDES
	E. M. WORDEN
Assistant Professors	A. L. JOHNSON
	P. N. MACDERMOT
Lecturers	H. L. BACAL
	BEN BENJAMIN
	J. H. O'NEILL
Demonstrators	HELEN BRICKMAN
	J. S. CHARTERS
	D. K. CLOGG
	T. A. COWAN
	S. I. DOUBILET
	F. CLARK FRASER
	J. E. GIBBONS
	R. B. GOLDBLOOM
	VICTOR C. GOLDBLOOM

R. Gourdeau
Eleanor Harpur
D. A. Hillman
David Klein
Frances McCall
D. R. McCrimmon
G. H. Nickerson
Sydney Pedvis
Pierre Senecal
Frederick Shippam
Hyman Surchin
W. W. Tidmarsh
S. J. Usher
Isobel Wright

Teaching Fellow

P. Banister
H. R. Brodie
J. H. Elder
Elizabeth Hillman
A. J. Markus

REQUIRED COURSES

LECTURES

1. (a) CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS

In the course of fourteen periods with the First year class, a child psychiatrist and a pediatrician collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development are discussed from the broadest possible point of view.

(b) An introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects. Some of these lectures, too, have lent themselves to a combined presentation by a psychiatrist and a pediatrician.

(c) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc. *Staff*

2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL

(a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.

(b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.

(c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics.

Staff

3. CLINICAL PAEDIATRICS

(a) Groups during the final year spend eight weeks entirely at the Montreal Children's Hospital as clinical clerks taking part in bedside clinical conferences and, under supervision, caring for patients in the outpatient department.

(b) The care and feeding of the normal infant, immunization procedure, and preventive pediatrics are taught at child health clinics. *Staff*

(c) A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year. *Professor Worden*

This teaching paogramme is subject to revision on the adoption of a new curriculum now under study.

Textbooks: W. E. Nelson, Textbook of Pediatrics, 6th ed. (Saunders 1954); D. H. Paterson and J. F. McCreary, Pediatrics (Lippincott 1956).

Reference Books: J. P. Caffey, Pediatric X-ray Diagnosis, 3rd ed. (Year Bk. Pubs. 1956); A. G. DeSanctis and Chas. Varga, Handbook of Pediatric Medical Emergencies, 2nd ed. (Mosby 1956); J. L. Gamble, Chemical Anatomy, Physiology and Pathology of Extracellular Fluid (Harvard Univ. Pr. 1954); A. L. Gesell, The Embryology of Behavior, the Beginnings of the Human Mind (Harper 1945); Morris Green and J. B. Richmond, Pediatric Diagnosis (Saunders 1954); Leo Kanner, Child Psychiatry, 3nd ed. (Thomas 1957); J. D. Keith, R. D. Rowe and Peter Vlad, Heart Disease in Infancy and Childhood, N.Y. (Macmillan 1958); C. A. Smith, The Physiology of the Newborn Infant, 2nd ed. (Thomas 1951); Lawson Wilkins, Diagnosis and Treatment of Endocrine Disorders in Childhood and Adolescence, 2nd ed. (Thomas 1957).

INSTITUTE OF PARASITOLOGY

Professor	T. W. M. CAMERON, *Director*
Associate Professors	D. FAIRBAIRN
	M. LAIRD
Assistant Professors	R. P. HARPUR
	G. A. SCHAD
	C. E. TANNER

Research Associates G. Lubinsky
E. Meerovitch
G. A. Webster

REQUIRED COURSES

SECOND YEAR

The animal parasites of man (protozoa, helminths and arthropods) are considered as an integral part of the Second year course in Medical Microbiology (see p. 1622). Exotic parasites are discussed briefly.

ELECTIVE COURSES

The Institute not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates, 2nd ed. (Univ. of Toronto Pr. 1956).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. C. McMillan, *Chairman*

Associate Professors J. E. Pritchard
A. C. Ritchie
F. W. Wiglesworth

Assistant Professors D. S. Kahn
W. H. Mathews
W. Pirozynski

Lecturers G. Mathieson
S. Moore
Susan Ritchie
Paula H. Schopflocher
M. A. Simon
J. R. Stuart

Demonstrator J. P. Latour

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (FIRST YEAR)

A. Lectures with epidiascopic and microscopic demonstrations during the Spring term totalling 36 hours.

Professors McMillan and Ritchie

B. Practical laboratory classes during the Spring term totalling 72 hours. *Professor Pirozynski with Demonstrators*

2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS) (To be revised)

A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours. *Professor McMillan and Staff*

B. Two practical laboratory classes per week during the Winter and Spring terms of the Third year totalling 96 hours. *Staff and Demonstrators*

C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours. *Lecturers and Demonstrators*

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours). *Professor McMillan*

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute — *Professor Pirozynski*
Montreal General Hospital — *Professor Mathews*
Montreal Children's Hospital — *Professor Wiglesworth*

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Textbooks: W. A. D. Anderson, Pathology, 3rd ed. (Mosby 1957); Wm. Boyd, A Textbook of Pathology, 6th ed. (Lea and Febiger 1953); H. T. Karsner, Human Pathology, 8th ed. (Lippincott 1955); R. A. Moore, Textbook of Pathology, 2nd ed. (Saunders 1951); G. P. Wright, Introduction to Pathology, 2nd ed. (Longmans 1954).

Reference Books:

General: Wm. Boyd, Pathology for the Surgeon 7th ed. (Saunders 1955); Wm. Boyd, Pathology for the Physician, 6th ed. (Lea and Febiger 1958); W. D. Forbus, Reaction to Injury (Williams and Wilkins 1943-52), 2 vols.; R. F. Ogilvie, Pathological Histology, 5th ed. (Livingstone 1957); R. A. Willis, Pathology of Tumours, 2nd ed. (Butterworth 1953).

Special: G. D. Lumb, Tumours of Lymphoid Tissue (Livingston 1954); J. H. Biggart, Pathology of the Nervous System, 2nd ed. (Livingstone 1949); W. J. Freeman, Neuropathology (Saunders 1933); Emil Novak, Gynecologic and Obstetrical Pathology, 3rd ed. (Saunders 1952); Sidney Farber, Portmortem Examination (Thomas 1937); Otto Saphir, Autopsy Diagnosis and Technic, 3rd ed. (Hoeber 1951).

DEPARTMENT OF PHARMACOLOGY

Professor	K. I. Melville, *Chairman*
Associate Professor	D. R. Wood
Assistant Professor	B. G. Benfey
Lecturer	G. E. Joron
Teaching Fellow and Lecturer	N. R. Eade
Demonstrators	Mark Segal H. E. Shister

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

Conferences

During the year four conferences of 45 minutes each and limited to six students, will be arranged. These conferences will replace the regular laboratory periods at the times specified.

Lecture-demonstrations

In conjunction with the Department of Medicine (Therapeutics) a series of six (6) one hour lecture-demonstrations is held in the Teaching Hospitals during the course. These are designed to present selected clinical cases illustrating practical applications of drug usage.

2. TOXICOLOGY

A course of ten lectures devoted to the problems of *acute poisoning* (occurrence, symptoms, modifying factors, diagnosis and treatment), is given during the 3rd term of the Second year. *Dr. G. E. Joron*

Textbooks: Harry Beckman, Drugs, their Nature, Action and Use (Saunders 1958); A. J. Clark, Applied Pharmacology, 8th ed., rev. by Andrew Wilson and H. O. Schild (Churchill 1952); V. A. Drill, Pharmacology in Medicine, 2nd ed. (McGraw-Hill 1958); L. S. Goodman and A. Z. Gilman, Pharmacological Basis of Therapeutics, 2nd ed. (Macmillan 1955); J. C. Krantz and C. J. Carr, Pharmacologic Principles of Medical Practice, 3rd ed. (Williams and Wilkins 1954).

ELECTIVES

Suitably prepared students may undertake special research or training projects under direction of a staff member at any time, by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor	F. C. MacIntosh, *Chairman*
Professors	A. S. V. Burgen
	B. D. Burns
Assistant Professors	Simon Dworkin
	Bernice Grafstein
	Paul Sekelj
	Kathleen G. Terroux
Lecturers	J. Q. Bliss
	Carl Pinsky
	E. J. Reininger
	O. M. Solandt
Sessional Lecturer	Hyman Weiner

REQUIRED COURSES

FIRST YEAR

BIOCHEMISTRY—PHYSIOLOGY 1.

Monday to Saturday, at 9 a.m.

BIOCHEMISTRY—PHYSIOLOGY 1D.

Demonstrations and films: one hour a week.

BIOCHEMISTRY—PHYSIOLOGY 1L.

Laboratory: six hours a week.

Three hours a week, from October.

This is an integrated course of lectures, demonstrations and laboratory work, given by the two departments.

INTRODUCTION TO MEDICINE

One hour a week, from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

2. ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM

Two hours lecture, two hours laboratory, and one hour demonstration a week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

ELECTIVE COURSE

1E. SELECTED TOPICS IN PHYSIOLOGY

These are discussed from the point of view of current research in the Department.

3 hours a week.

DEPARTMENT OF PSYCHIATRY

Professors	D. E. CAMERON, *Chairman*
	A. E. MOLL
Associate Professors	R. A. CLEGHORN
	T. E. DANCEY
	H. LEHMANN
	R. B. MALMO
	W. CLIFFORD M. SCOTT
	BARUCH SILVERMAN
	TAYLOR STATTEN
	E. D. WITTKOWER
Assistant Professors	S. ALBERT
	J. AUFREITER

H. Azima
T. J. Boag
C. Bos
V. A. Kral
A. W. MacLeod
C. A. Roberts
M. Saffran
T. L. Sourkes

Lecturers

Friedl Aufreiter
S. Barza
Jacques Beaubien
M. K. Birmingham
C. H. Cahn
Hyman Caplan
Bruno Cormier
H. B. Durost
P. G. Edgell
N. Epstein
B. Grad
R. C. M. Hamilton
L. G. Hisey
R. C. A. Hunter
H. Kravitz
Alan Mann
L. Mergler
G. L. Sarwer-Foner
C. H. Skitch
C. C. Smith
Manuel Straker
G. C. Taylor
Saul Wilner

Sessional Lecturer

Miguel Prados

Demonstrators

G. C. Curtis
K. Ferguson
J. L. Frazee
G. Hanrahan
Brian Hunt
W. G. Krauser
D. Levin
L. Levy
Eva Libman
J. Naiman
A. Russel
J. C. Stanley

REQUIRED COURSES

FIRST YEAR

GROWTH, DEVELOPMENT AND HUMAN RELATIONSHIPS: A total of 16 hours, the first two being introductory lectures in psychobiology. The remaining hours of the course will include technique of child examination, diagnosis of child psychiatric states, child psychiatric problems as seen in various treatment facilities, including paediatrics out-patient clinic.

Professors Cameron, Statten, Ross (Paediatrics) and Staffs

SECOND YEAR

Two courses of lectures: (a) 12 1-hour lectures on psychopathology; (b) 12 2-hour sessions on psychiatric case studies, with case presentation.

Professors Roberts, Lehman and Staff

THIRD YEAR

Six weeks block teaching, distributed among six teaching centres, to acquaint students with the examination of patients and understanding of some of the major factors involved in abnormal behaviour. Diagnostic procedures, psychotherapeutic and physical methods of treatment, will be among the aspects covered. During this year students will be provided with tutors on a group basis and will also have more specialized training in the areas of child psychiatry, community psychiatry and mental disorders.

Professors Cameron, Moll, Dancey, Roberts, Statten, Silverman and Staffs

FOURTH YEAR

The teaching in this year will be largely focused on clerkship. Students will attend tutorials, ward rounds, seminars, conferences, etc., at the Allan Memorial Institute, Montreal General Hospital and Queen Mary Veterans Hospital.

Professors Cameron, Moll, Dancey and Staffs

DEPARTMENT OF RADIOLOGY

Professor	CARLETON B. PEIRCE, *Chairman*
Associate Professors	J. J. L. BOUCHARD
	D. L. MCRAE
	D. J. SIENIEWICZ
Assistant Professors	E. F. CRUTCHLOW
	J. S. DUNBAR
	R. G. FRASER
Assistant Professor of Physics	L. G. STEPHENS-NEWSHAM
Lecturers	N. M. BROWN
	B. B. HALE
	M. N. LOUGHEAD
Demonstrators	D. BERGER
	F. A. GRAINGER
	J. J. HAZEL
	F. R. MACDONALD
	T. F. B. PHILIPS

FIRST YEAR

In co-operation with the Department of Anatomy, illustrative demonstrations for the course in "Living Anatomy" are available on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, especially in regard to functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and rentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with clinical methods in physical examination.

Professor Peirce and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general principles of radiation physics, systemic roentgen pathology and the therapeutic use of ionizing radiations.

Professor Peirce and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students assigned to Internal Medicine, Paediatrics and Surgery in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, Sieniewicz and Staff

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Text and Reference Books: A. E. Barclay, The Digestive Tract, 2nd ed. (Camb. Univ. Pr. 1936); J. P. Caffey, Pediatric X-ray Diagnosis, 3rd ed. (Year Bk.Pubs. 1956); Otto Glasser, *et al.*, Physical Foundations of Radiology, 2nd ed. (Harper 1952); Ross Golden, *et al.*, Diagnostic Roentgenology (Nelson 1936-41, 3 vols.); F. J. Hodges, *et al.*, Radiology for Medical Students, 2nd ed. (Year Bk. Pubs. 1954); G. W. Holmes, and L. L. Robbins, Roentgen Interpretation. 8th ed. (Lea and Febiger 1955); Alban Kohler, Roentgenology, 2nd ed. (Bailliere 1935); Isadore Meschan, An Atlas of Normal Radiographic Anatomy (Saunders 1951); Isadore Meschan, Roentgen Signs in Clinical Diagnosis (Saunders 1956); H. K. Pancoast, E. P. Pendergrass, and J. P. Schaeffer, Head and Neck in Roentgen Diagnosis (Thomas 1940); E. A. Pohle, Theoretical Principles of Roentgen Therapy (Lea and Febiger 1938); L. G. Rigler, Outline of Roentgen Diagnosis (Lippincott 1938); LeRoy Sante, Principles of Roentgenological Interpretation, 9th ed. (Edwards 1952); S. C. Shanks and P. J. Kerley, Textbook of X-ray Diagnosis, 2nd ed. (Saunders 1950-51, 4 vols.); 3rd ed. vol. 1 1957; M. B. Wesson, Urologic Roentgenology, 3rd ed. (Lea and Febiger 1950).

POSTGRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Postgraduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Postgraduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals in conjunction with the Diploma Course for selected graduates of approved Faculties or Schools of Medicine.

DEPARTMENT OF SURGERY

Professors

H. R. Robertson, *Chairman*
D. R. Webster

Associate Professors

S. J. Martin
D. R. Murphy

Assistant Professors

S. G. Baxter
C. M. Gardner
J. W. Gerrie
F. N. Gurd
G. A. Holland
J. C. Luke
J. R. McCorriston
C. A. McIntosh
E. A. MacNaughton
H. S. Morton
H. F. Moseley
J. D. Palmer

Lecturers

H. A. Baxter
W. M. Couper
J. C. Dickison
G. D. Little
J. C. Sutton
A. M. Vineberg
F. M. Woolhouse

Demonstrators

F. D. Ackman
A. R. Bazin
H. E. Beardmore
J. A. Drummond
M. A. Entin
R. L. Estrada
J. F. Hopkirk
A. F. Jones
G. M. Karn
R. N. Lawson
R. C. Long
H. F. Owen
D. W. Ruddick
H. J. Scott
Israel Shragovitch
J. L. Shugar
E. J. Tabah
A. G. Thompson

ORTHOPAEDIC SURGERY

Assistant Professors	J. G. Petrie J. G. Shannon
Lecturers	A. A. Butler J. A. L. Walker
Demonstrators	J. M. McIntyre Robert G. Townsend C. Laird Wilson

UROLOGY

Assistant Professor	R. G. Reid
Lecturers	S. A. MacDonald J. T. MacLean
Demonstrators	K. J. MacKinnon C. A. Moore

REQUIRED COURSES—

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.

2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

*3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.

3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times a week during the term.

3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

*4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.

4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. CASE REPORTING

4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

4E. It is compulsory that every student must be in residence for a period of one week at either the Montreal General Hospital or the Royal Victoria Hospital during the term in Surgery.

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*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course

SURGICAL DISEASES OF CHILDREN—

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

4A. AMPHITHEATRE CLINICS once a week throughout trimester.

4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY—

FOURTH YEAR

4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.

4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.

4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

UROLOGY —

FOURTH YEAR

4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.

4B. UROLOGICAL CLINICS. Ward classes.

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Textbooks:

General Surgery: Ian Aird, Companion in Surgical Studies, 2nd ed. (Livingstone 1956); Hamilton Bailey, Demonstration of Physical Signs in Clinical Surgery, 12th ed. (Williams and Wilkins 1954); Christopher's Minor Surgery, ed. by Alton Ochsner and M. E. DeBakey, 7th ed. (Saunders 1955); Frederick Christopher, Textbook of Surgery, 6th ed. (Saunders 1956); W. H. Cole and Robt. Elman, Textbook of General Surgery, 6th ed. (Appleton 1952); John Homans, Textbook of Surgery, 6th ed. (Thomas 1945); H. F. Moseley, Textbook of Surgery, 2nd ed. (Mosby 1955).

Surgical Anatomy: A. Lee McGregor, Synopsis of Surgical Anatomy, 7th ed. (Williams and Wilkins 1952).

Fractures and Dislocations: R. Watson Jones, Fractures and Joint Injuries, 4th ed. (Livingstone 1952-1955), 2 vols.

Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Cases (Macmillan 1924).

Urology: M. F. Campbell, Urology (Saunders 1954), 3 vols.; F. H. Colby, Essential Urology, 3rd ed. (Williams and Wilkins 1956); D. N. Eisendrath and H. C. Rolnick, Urology, 4th ed. (Lippincott 1938).

Orthopaedic Surgery: W. C. Campbell, Operative Orthopaedics, 3rd ed. (Mosby 1956), 2 vols.; Walter Mercer, Orthopaedic Surgery, 4th ed. (Williams and Wilkins 1950).

GRADUATE INSTRUCTION—

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do, The minimum fee is $30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGill University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 515 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and administration, vital statistics, biometrics, maternal, infant, pre-school and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one.

The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The

course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is $250, or $100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS—

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 90,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy. and the Museum of Anatomy. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University

Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital
Montreal General Hospital
Montreal Children's Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

1. The Royal Victoria Hospital proper, or the Main Building;
2. The Ross Memorial Pavilion for private patients;
3. The Women's Pavilion—Royal Victoria Montreal Maternity;
4. The Allan Memorial Institute.

The total bed complement is 919, with 96 bassinets. Admissions total approximately 20,000 and confinements are in excess of 3,000 a year. There are some 80,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 106.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital is a general hospital of 750 beds for the treatment of acute diseases. In a typical year, there were approximately 18,000 admissions, while out-patient consultations for the same period approximated 150,000. The resident and interne staff numbers 150.

The "Montreal General" was founded in 1821; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The present building on Cedar Avenue was occupied in 1955.

The Montreal Children's Hospital has 291 public beds, and, in a typical year, admitted 6,000 patients. The attendance at its out-door department totalled over 60,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 151-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

Honorary Librarian LLOYD G. STEVENSON

The Library, now of nearly 90,000 bound volumes, originally occupied the central front section of the medical building but has expanded its stack area to the north side on the two lower floors.

The Reading Room with accommodation for seventy-five people is on the third floor with a small periodical room adjacent. The second floor contains the stacks for bound journals and has three study rooms for use of members of the teaching staff. The first floor is devoted to administration and technical operations.

The chief value of the Library is in its periodical collection. Over 1,500 journals are subscribed to currently and many are received by gift. Journal literature in almost all languages is well represented. The book collection is especially noteworthy in the ophthalmological section due in large measure to many gifts from the late Dr. Casey A. Wood.

The Library is for members of the teaching staff and students of the Faculty, and of the whole University, and for research workers and doctors in the city. An extensive interlibrary loan service throughout the country is maintained and books and journals are sent to doctors who are not near a library on payment of postage charges.

The Library is open during the academic session from Monday to Friday, 9 a.m. to 10 p.m.; Saturday 9 a.m. to 5 p.m. After June 15th the hours are 9 a.m. to 5 p.m. Monday to Friday, closed Saturday.

There are also small collections of books and journals located in several of the Departments of the Faculty.

THE OSLER LIBRARY

Librarian W. W. FRANCIS

Assistant Librarian LLOYD G. STEVENSON

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly

12,500 volumes, occupies a large room, beautifully equipped, on the fourth floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works, and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 150 books printed in the fifteenth century. Recently the Wellcome Trust has given generous annual grants for the purchase of expensive books to fill gaps in the Osler collection.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the faculty. Its purpose is:

(1) To transact all matters of business connected with the undergraduate body;

(2) To stimulate interest along medical lines;

(3) To assist students to express themselves in public with facility;

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

(5) To organize, during the course of the school year certain outside activities such as the annual Medical Banquet and Ball.

Monthly meetings are held at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

The society also maintains the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the meomry and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the faculty. Several professors have shown an active interest in the Society and have added a more mature not to the discussion. Each year an Honorary President has been elected from this older group.

McGill University

Montreal

Faculty of Dentistry

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

Faculty of Dentistry

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U, D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

James McCutcheon, D.D.S., M.S.D., F.A.C.D. — *Dean*

Mervyn A. Rogers, D.D.S. — *Associate Director of Clinical Facilities*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

A complete list of the teaching staff of the University, including the Faculty of Dentistry, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the dental course is the satisfactory completion of two full years of study in a recognized College or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: English and Mathematics, one year of each; Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work (half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone); Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work.

Courses meeting these requirements are offered in the Faculty of Arts and Science of McGill University, where a student may take the two years of study required, or the second of the two if he has satisfied the requirements of the first year by Senior Matriculation, or otherwise.

On the successful completion of the Second year of the Dental course, students who have entered this Faculty from the Third year of the Faculty of Arts and Science of McGill University are eligible to appiy for their B.A. or B.Sc. degree. Application should be made, in writing, to the Dean of the Faculty of Arts and Science.

Eligible students are advised to include Biochemistry 31 as a part of their pre-dental program.

Particulars of the examinations leading to Junior and Senior Matriculation status are given in the School Certificate Examinations Announcement.

Applicants who have met the academic requirements are required to take an aptitude test upon their admission to the study of Dentistry.

Residents of the United States should take the "American Dental Association Aptitude Test" and have the results of the test sent to the Faculty of Dentistry.

Application for admission to the Faculty of Dentistry must be made upon the regular application form which may be obtained from the Secretary of the Faculty. As the number of students in each class is limited, application should be made early and in any case not later than *March first*. Each application must be accompanied by a non-returnable fee of $5.00 in the form of a cheque or money order payable to McGill University.

A reservation fee of $50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. This fee will be credited towards the applicant's University fees, but will not be returned if he fails to register at the opening of the session.

PROFESSIONAL PRACTICE

PROVINCIAL REGISTRATION

Applicants are reminded that a University degree in Dentistry does not in itself confer the right to practise the profession of Dentistry. It is necessary to comply with the dental laws of the country, state, or province in which it is proposed to begin practice. Each province in Canada at present has special requirements for its licence, and in all of them a certain standard of general education is demanded before the study of Dentistry may be undertaken. *Students who intend practising in Canada are advised to register their qualifications in the province in which they intend to practise, before they begin their university course.*

Province of Quebec

In the case of those who intend to practise in the Province of Quebec it is essential that the candidate should:

(a) take at least the second of the above two years in a University recognized by McGill University, thus qualifying for eligibility to register with the College of Dental Surgeons of the Province of Quebec.

(b) obtain from the College of Dental Surgeons of the Province of Quebec a Qualifying Certificate before proceeding with the dental course

Further information may be obtained from Dr. Denis Forest, Registrar of the College of Dental Surgeons of the Province of Quebec, 3607 St. Denis Street, Montreal 18, Quebec.

Candidates who have successfully completed the regular course as given in the Faculty of Dentistry, McGill University, may be granted the licence without further examinations upon payment of the required fee, provided they are registered with the College of Dental Surgeons of the Province of Quebec.

The following is a list of the Registrars of the Dental Boards of the several Canadian provinces. Students are advised to write for information whenever they are in doubt as to the regulations of any province.

Alberta—Dr. R. A. Rooney, 523 Tegler Bldg., Edmonton.

British Columbia—Dr. G. I. Creasy, 217 Medical-Dental Bldg., Vancouver.

Manitoba—Dr. J. Orwell Brown, 416 Medical Arts Bldg., Winnipeg.

New Brunswick—Dr. E. D. Halford, 459 DeMont Street, Lancaster.

Newfoundland—Dr. G. P. French, 350 Water Street, St. John's.

Nova Scotia—Dr. G. M. Dewis, 269 Gottingen Street, Halifax.

Ontario—Dr. Wesley G. Dunn, 230 St. George Street, Toronto.

Prince Edward Island—Dr. Heath McIntyre, 140 Richmond Street, Charlottetown.

Quebec—Dr. Denis Forest, 3607 St. Denis Street, Montreal.

Saskatchewan—Dr. F. R. Smith, 606 Canada Bldg., Saskatoon.

NATIONAL DENTAL EXAMINING BOARD OF CANADA

The National Dental Examining Board of Canada issues a certificate to successful candidates which may be registered with any or all Canadian Provincial Licensing Boards for the purpose of securing a licence to practise. The Province of Quebec does not recognize the certificate issued by the National Dental Examining Board of Canada.

Candidates must possess the following qualifications:

(a) have proof of matriculation as established by the Council on Dental Education of the Canadian Dental Association before beginning the study of dentistry.

(b) have taken a minimum of two complete academic years, equivalent to two years liberal Arts and Science of a recognized university.

(c) have successfully completed four academic years of professional education in a dental school approved by the Council on Dental Education of the Canadian Dental Association.

(d) hold a degree in dentistry from a school of dentistry approved by the Council on Dental Education of the Canadian Dental Association at the time of graduation. Such approval is effective as of March 1948.

(e) hold an Enabling Certificate from a Canadian dental licensing body. Detailed information may be obtained from — Dr. H. N. B. Beach, Secretary, National Dental Examining Board of Canada, 150 Metcalfe Street, Ottawa, Canada.

AMERICAN NATIONAL BOARD EXAMINATIONS

Students intending to practise in the United States are advised to contact Dr. Gerard J. Casey, Secretary, Council of the National Board of Dental Examiners, American Dental Association, 222 East Superior Street, Chicago 11, Illinois. Information should also be obtained from the Secretary of the licensing board of the specific state in which the student intends to practise.

REGISTRATION

Students in Dentistry register at the Registrar's Office on Friday, September 4th or Tuesday, September 8th. Any student registering after the specified date will be required to pay a late fee. No students will be admitted after September 22nd.

FEES

The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the General Information Pamphlet.

TUITION FEES

Annual undergraduate fee (including Students' Society and Dental Review fees)	$600.00
By instalments: Each of two instalments	302.50

REPEATING A YEAR

Students repeating a year pay	$600.00

PARTIAL STUDENTS

Qualified partial students are admitted to one or more courses on payment of special tuition fees and fees for Student activities. For further particulars consult the Dean's Office.

EQUIPMENT AND SUPPLIES

In First year—Technic Model (rental)	$10.00
In Second year—Crown and Bridge Model	30.00
In Second year—Operative Model (rental)	10.00
In Third year—Orthodontic material	20.00
In Third and Fourth years—Dental Cabinet (rental)	5.00
In Third year—Final practical examination material	20.00
In Fourth year—Final practical examination material	30.00

AD EUNDEM FEE

Transfer students entering any year above the First pay a special *ad eundem* fee of $10.00

GENERAL REGULATIONS

Fees are due and payable at the Accounting Office between the hours of 9 a.m. and 4 p.m., on September 4th or September 8th; but they may be paid before the above dates. If paying in two instalments, the amount of the first instalment can be determined by adding fees and instalment fee, deducting deposit and dividing the result in half. An additional $2 is charged for payment after the specified dates. All late fees are payable in full with first instalment.

Students registering late pay their fees at the time of registration, failing which they become subject to the following provisions.

Immediately after the prescribed dates for the payment of fees, the Chief Accountant sends to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

Note: *Special fees* are given in the General Information Pamphlet included in the Announcement.

INSTRUMENTS

With the exception of certain instruments and equipment required for the general use of all students, each student is required to furnish his own instruments and appliances for both laboratory and operating room, and is not permitted to enter the course until he is thus supplied.

The approximate cost of instruments and supplies is as follows:

First year	$450.00
Second year	600.00
Third year	300.00
Fourth year	150.00

All of these instruments and this equipment will be required for office use when the student enters practice and should be regarded as an investment for that purpose rather than a university expense.

Arrangements have been made with local dental supply houses in order that the student may benefit by a special discount.

MEDALS AND PRIZES

Montreal Dental Club Gold Medal.—Awarded to the student in the final year who stands first in the science and practice of Dentistry. The standing is determined not only by the written and practical examinations at the end of the year, but by the general work of the student during the four years.

College of Dental Surgeons of the Province of Quebec.—The J. K. Carver Prize of twenty-five dollars awarded to the student, registered in this Province, obtaining the highest standing in the practical examinations of the final year.

Montreal Endodontia Society.—A book prize, awarded to the student in the final year showing the greatest aptitude in this subject.

American Academy of Dental Medicine (Montreal Section) Book Prize.—Awarded to the student in the final year obtaining the highest standing in Dental Medicine.

Canadian Dental Association War Memorial Scholarship Award.—First Prize $125.00; Second Prize $75.00. To be awarded annually.

This is an essay contest and is open to all undergraduates of the final year who have been in attendance for at least two years at any Canadian Dental School. The essay shall consist of not more than 4,000 words and not less than 2,500 words, excluding bibliography.

Correspondence relative to this Scholarship should be addressed to The Secretary, Canadian Dental Association, 234 St. George St., Toronto 5.

Canadian Society of Dentistry for Children Prize—A prize awarded to the student in the final year obtaining the highest standing in didactic and clinical phases of Pedodontics.

Lieutenant-Governor's Gold Medal.—Awarded to the student in the final year who stands second in the class and whose standing is determined in a manner similar to that followed in the awarding of the Montreal Dental Club Gold Medal.

Lieutenant-Governor's Silver Medal.—Awarded to the student obtaining the highest marks in written and practical subjects in the Third year examinations.

An Anonymous Prize.—A prize awarded to the student in the Third year obtaining the highest standing in the final sessional examinations.

M. J. T. Dohan Pedodontic Prizes.—A prize awarded to the student in the Fourth year who achieves the highest standing in practical and clinical work during the year; and a prize awarded to the student in Third year who receives the highest mark in the final written examination.

Hadler Study Club Prize.—A prize awarded to the student in the Third year who obtains the highest standing in Clinical Operative Dentistry.

International College of Dentists (Canadian Section) Scholarship.—This scholarship of $100 is awarded annually to a student who has completed the Third year and is entering the Fourth year. The award is based on scholastic record in the Third year, general character, and participation in extra-curricular activities. No application is required.

Montreal Dental Club Prizes.—First, Second and Third year prizes given by the Montreal Dental Club and awarded to the students obtaining the highest standing in the following technique subjects: First year, Dental Anatomy; Second year, to be chosen each year; Third year, Orthodontic Technique.

Solomon Prize.—A prize, in memory of the late Dr. Arthur S. Solomon, awarded to the student who obtains the highest standing in the final examinations in the Second year. This prize is made possible by a donation of the Mount Royal Dental Society and the Alpha Omega Fraternity.

Dorion Prizes.—Second and Third year prizes offered by Dr. Eugene S. Dorion to the students obtaining the highest standing for an Essay on Roentgenology.

Dr. I. K. Lowry Prizes.—Prizes of medical dictionaries are awarded to the two students in the Second year who obtain the highest marks in Oral Histology and Embryology.

Mount Royal Dental Society Prize.—A prize awarded to the student obtaining the highest standing in the final examinations in First year.

SCHOLARSHIPS, BURSARIES, AND LOANS

Details of University and other scholarships and bursaries are given in the Scholarships Announcement which may be obtained from the Registrar's Office.

The University has a small fund from which loans may be made to students of good academic standing. Loans are made only to students in the upper years. Applications for loans should, in the first place, be made to the Dean.

The College of Dental Surgeons of the Province of Quebec has created a loan fund to assist students of the Faculty who are registered with this College.

COURSE FOR THE DEGREE OF D.D.S.

Candidates for the degree of D.D.S. must complete two years of study in a College or Faculty of Arts or Science, with English, Mathematics, Physics, Inorganic and Organic Chemistry, and Biology as compulsory subjects, before entering upon the four-year course in this Faculty. The curriculum* is as follows:

FIRST YEAR

Anatomy, Human
Anatomy, Dental
Histology, General
Physiology
Biochemistry
Dental Techniques
Orientation in Dentistry
Dental Materials

SECOND YEAR

Crown and Bridge Work
Operative Technique
Orthodontic Technique
Prosthetic Technique
Bacteriology
Metallurgy
Pharmacology (general)
General Pathology
Dental History
Radiography
Histology, Dental

THIRD YEAR

Crown and Bridge Work
Operative Dentistry
Orthodontics
Prosthetic Dentistry
Dental Radiography
Prosthetic Articulation
Dental Pharmacology and Therapeutics
General Anaesthesia
Oral Surgery and Local Anaesthesia
Oral Pathology
Health and Social Medicine
Pedodontics
Dental Jurisprudence

FOURTH YEAR

Orthodontics
Prosthetic Dentistry
Oral Surgery
Crown and Bridge Work
Pedodontics
Endodontia
Oral Diagnosis
Medicine
Periodontia and Oral Hygiene
Practice Management
Dental Ethics
Thesis

*It should be understood that the programme and regulations regarding courses of study and examinations contained in this Announcement hold good for this session only, and that the Faculty, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole four years of a student's course, to the conditions here laid down.

THESIS: Final year students must write a thesis of approximately 4,000 words. The subject will be announced early in September.

ATTENDANCE

Students who have failed to attend at least seven-eighths of the lectures, laboratory or clinical periods in any course may be refused the right to attempt the final examination in that course.

EXAMINATIONS

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

A minimum of 60 per cent in each subject is required to pass, and 85 per cent for Honours.

All examinations in each year must be passed before a student is allowed to advance to the next.

Candidates who fail at the regular examinations in not more than three subjects of the First, Second, or Third years, may, at the discretion of the Faculty, be allowed to take the supplementary examinations before the beginning of the following session. These examinations are held during the week preceding the regular opening of the session.

A candidate will not be permitted to attempt supplemental examinations in more than three subjects in any of the first three years of the course.

Students in the First year who fail to achieve a passing grade in Gross Anatomy *must* attend the Anatomy summer session in the month of August before attempting the supplemental examination in this subject.

Students who fail in one subject only of the final year may, at the discretion of the Faculty, be allowed a supplementary examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish evidence of additional clinical attendance or laboratory work before presenting himself for examination.

Applications for supplemental examinations must be in the hands of the Dean at least three days before the date set for the beginning of the examination, and must be accompanied by a fee of $10.00 for each subject.

QUALIFICATIONS FOR THE DEGREE

1. No one is admitted to the degree of Doctor of Dental Surgery who has not attended lectures for a period of four sessions in the Dental Faculty

of this University, or partly in this University and partly in some other approved Faculty or School of Dentistry.

2. Students, of other universities so approved, who may be admitted on production of certificates to a like standing in this University, are required to pass a qualifying entrance examination and thereafter the same examinations as regular students of this University.

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Candidates for the final examinations must furnish testimonials of attendance in the branches of dental education mentioned on page 1910; however, testimonials equivalent to though not precisely the same as these, may be presented and accepted.

DENTAL INTERNESHIPS

There are a number of resident dental interneships in Montreal hospitals. These positions are filled annually on recommendation of the Faculty of Dentistry, selection being made from the graduating class.

Members of the graduating class spend, on rotation, two week periods as resident student internes in the Montreal General Hospital.

COURSES OF LECTURES

ANAESTHESIA, GENERAL

Lecturer ROBERT FERGUSON

This course, given in the Third year, comprises a short series of lectures on the general principles and the physiology of anaesthesia, with special emphasis laid on the factors of safety and the suitability of the anaesthetic agent employed. An equal amount of time is spent in the main operating theatre where demonstrations are given of the use of all modern methods of general anaesthesia for dental and oral surgery under actual working conditions. Instruction in methods of emergency resuscitation is included in this course.

Textbooks: A. E. Guedel, Inhalation Anaesthesia (Macmillan); W. H. Archer, A Manual of Dental Anaesthesia (Saunders).

ANATOMY, GENERAL

Professors	C. P. LEBLOND, *Chairman*
	C. P. MARTIN
Associate Professors	S. M. BANFILL
	J. LANGMAN
Assistant Professor	Y. CLERMONT
Lecturers	L. HELLER
	E. P. MILLAR
	I. SMART
	E. W. WORKMAN
Lecturer in Dental Histology	G. DOUGLAS ARMSTRONG
Demonstrator, Histology and Embryology	M. BLAIR
Demonstrator, Histology	H. ROOT
Teaching Fellow	B. PEREY
Research Assistants	J. CARNEIRO
	C. E. HOOPER
	H. ISLER
	H. PUCHTLER

ANATOMY

1A. GROSS ANATOMY

This course covers the first two terms of the year, and is planned so that after making a general survey of the whole body, the dental student concentrates his attention on the head and neck. The course runs concurrently with the course in First year Medicine (Anatomy 1), and comprises 4 hours lectures and 8 hours laboratory work a week during the Autumn and Winter terms.

The curriculum survey presently being conducted in the Faculty of Medicine, may necessitate some changes in this course during the session.

Practical Manual: J. T. Aitken et al., A Manual of Human Anatomy, Vol. 1 and 2 (Livingstone 1956).

Textbook: Gray, Anatomy (English edition); or Cunningham, Textbook of Anatomy.

MICROSCOPIC ANATOMY

1. HISTOLOGY AND EMBRYOLOGY

This course coincides for the main part with the Medical Microscopic Anatomy Course 5 but the reproductive organs are excluded and special lectures on dental histology and the embryology of the mouth are included.

The course finishes at the end of the Winter term.

Histology Textbook: Bailey, Text-book of Histology; or Maximow and Bloom, Histology; or Ham, Histology.

ANATOMY, DENTAL

Assistant Professor	T. I. Guilboard, *Chairman*
Lecturer	David T. Shizgal
Demonstrator	H. R. Louttit

This course is given to dental students of the First year. It consists of 28 lectures of one hour and 56 laboratory periods of two hours each.

The lecture course covers:

1. Introductory lectures on the development of the maxillary bones, development of teeth, nomenclature of the different constituents of teeth and surrounding tissues.
2. The anatomy of each individual tooth, deciduous and permanent.
3. Arrangement of teeth and occlusion.
4. Development of the maxillary apparatus from reptiles to man.

These lectures are illustrated by drawings, X rays, models, slides, and specimens.

The laboratory course consists of carving teeth from plaster of Paris blocks. Four teeth are carved three times normal size.

Fourteen teeth are carved normal size, then articulated on models. Natural teeth are sectioned and mounted to familiarize the student with the composition of the teeth, and the relationship of pulp canals and chambers. Drawings of teeth are made.

References: Dental Anatomy, Zeisz & Nuckolls; Dental Anatomy and Physiology, Wheeler.

BACTERIOLOGY

Professor	R. W. Reed, *Chairman*
Associate Professors	G. G. Kalz
	J. W. Stevenson
Assistant Professors	Fritz Blank
	C. A. Butas
	Grace Girvin
	A. M. Masson
Lecturers	E. Mankiewicz
	B. H. Matheson
	O. Morgante
	Raissa Silov

All lectures and laboratory courses are given in the Department of Bacteriology (Institute of Pathology).

ELEMENTARY DENTAL BACTERIOLOGY AND IMMUNITY

30 lectures and 60 hours practical work.—Available to students of Dentistry on the completion of their studies in Anatomy, Physiology, Histology, and Biological Chemistry.

A choice of the following books is recommended:

F. C. Kelly and K. E. Hite, Microbiology (Appleton Century Crofts); Jordan and Burrows, Textbook of Bacteriology (Saunders); Fairbrother, A Textbook of Medical Bacteriology (William Heinemann).

BIOCHEMISTRY

Professors — D. L. THOMSON, *Chairman*; J. H. QUASTEL

Associate Professors — O. F. DENSTEDT; K. A. C. ELLIOTT

1. BIOCHEMISTRY—LECTURE COURSE

Two lectures weekly from October to April. Three weekly thereafter, in the First year.

This work is taken with the Medical students.

Text: Harper, Review of Physiological Chemistry (Lange).

2. BIOCHEMISTRY—LABORATORY COURSE

A synopsis of the course is issued by the Department.

Six hours a week: October to February.

DIAGNOSIS, ORAL (*See*—Pathology)

ENDODONTICS

Associate Professors — WILFRED J. JOHNSTON, *Chairman*; A. GERALD RACEY; WALLACE F. WALFORD

Assistant Professors — T. IVAN GUILBOARD; ROGER E. MCMAHON

Lecturer in Medicine — GERALD W. HALPENNY

Lecturer in Radiology — E. S. DORION

Lecturers in Dentistry — A. D. RICHARDSON; L. J. ROSEN; CAMERON T. WALSH

Guest Lecturer — (chosen each year)

A course in root canal therapy correlated with the teachings of the Departments of Bacteriology, Pathology, Histology, and Dental Anatomy.

Two weeks in the senior year are devoted to a concentrated course of Theory and Clinical Practice of Endodontics. The basic principles of opening, cleansing, and filling root canals are dealt with in lectures and demonstrations. During this period each student is required to carry out the diagnosis, bacteriological examination, and treatment of the clinical cases that are provided. Where necessary, root resections and bleachings are performed. Throughout the senior year there is a weekly endodontic clinic to aid the students with those cases that they encounter during their general clinical work.

Textbooks: L. I. Grossman, Root Canal Therapy; Sommer, Ostrander and Crowley, Clinical Endodontics.

ETHICS, DENTAL

Lecturer JOHNSTON W. ABRAHAM

Under this heading the moral, social and business relationships between the dentist and his patient will be discussed, as well as his duty to the public, his fellow practitioner, and himself.

FRESHMAN TECHNICS

Lecturer D. W. HENRY, *Chairman*

Lecturer MARCEL HEBERT

Demonstrators J. T. ELO
G. K. HALE
L. E. KENT
H. L. MUSSELLS
Z. B. NYESTE
A. E. PYE

An introduction to the techniques and practices which are common to the phases of Prosthetic and Operative Dentistry and Crown and Bridge Prosthesis. As a technical introduction to clinical phases of Dentistry the course will deal with the elements of cavity preparation and fillings; casting; soldering; prosthetic articulation; the use of investments and other dental materials.

Lectures, demonstrations and practical laboratory exercises are assigned to the course.

HEALTH AND SOCIAL MEDICINE

Associate Professors C. W. MacMillan
Margaret E. Nix

Assistant Professor Marian A. Bain

A special course of twenty lectures on the relation of Dentistry to Public Health and Preventive Medicine, including an introduction to the organization and administration of public health programs in Canada, communicable disease control, environmental hygiene, nutrition and health education.

HISTOLOGY AND EMBRYOLOGY, ORAL

Lecturer G. Douglas Armstrong

Demonstrator John D. Fenwick

This course follows Histology 1. The didactic portion traces the development of the teeth and supporting structures. Following this, there is the study of the adult oral tissues throughout their life cycle, and their relationship to the various fields in Dentistry.

The laboratory portion of the course is devoted to microscopic study of prepared ground and decalcified sections of oral tissues. Demonstrations of dissections of embryonic and foetal material are made.

Text: Orban, Oral Histology and Embryology.
Reference Book: Noyes, Schour, and Noyes, Dental Histology and Embryology.

HISTORY, DENTAL

Associate Professor James McCutcheon

This course is intended to give the student an intelligent conception of the evolution and development of dentistry from the primitive conditions and methods of the past to the present standing of the profession as a branch of the healing art. The contribution of some of the outstanding men in the profession to this development will also be considered.

JURISPRUDENCE, DENTAL

Lecturer Alex. McT. Stalker

A discussion of the laws governing the practice of dentistry, their necessity, and their purpose.

The responsibility of the dentist under the laws of the Province and his position as defendant in suits for damages and as plaintiff in suits for fees are fully explained.

MATERIALS, DENTAL

Lecturer — DONALD W. HENRY

This course is given to First year students and is designed to be an introduction to the materials used in Dentistry. A short series of lecture-demonstration periods is given. Laboratory periods in co-operation with the technique courses of First year combine the study of chemical and physical properties of the materials with the techniques for handling them.

Methods of testing and assessing materials for dental use, processing and refining these products are discussed, and the requirements of ideal materials are outlined. Specifications for the materials as outlined by the American Dental Association and the U.S. Bureau of Standards are reviewed.

Textbook: E. W. Skinner, The Science of Dental Materials.

MEDICINE

Assistant Professor of Medicine and Clinical Medicine	I. G. MILNE, *Chairman*
Assistant Professor of Medicine	S. R. TOWNSEND
Clinical Assistant in Medicine, The Montreal Children's Hospital	DONALD HILLMAN
Assistant Professor of Paediatrics	E. M. WORDEN
Associate Professor of Medicine (Dermatology)	L. P. EREAUX
Demonstrator in Obstetrics and Gynecology	F. J. TWEEDIE

This course of 28 lectures is designed to familiarize the dental student with the principles of Medicine. Particular attention is paid to:

(1) The relationship of good prenatal care and proper nutrition during infancy and childhood to dentition and the subsequent health of teeth and gums.

(2) Oral manifestations of systemic disease and the importance of oral health in the successful treatment of certain medical conditions.

(3) Medical complications of dental surgery and their prophylaxis.

METALLURGY

Associate Professor — H. H. YATES

This course is given to Dental students of the Second year by the Metallurgical Department of the University, located in the Physical Sciences Centre.

It consists of fifteen lectures of one hour, and about ten laboratory periods of two hours each.

The lecture course covers:

(1) Introductory lectures on the mechanical, physical and chemical properties of metals, especially in relation to their use in dentistry.

(2) The metallurgical principles of interest to the dentist are discussed, with particular emphasis on factors to be considered in casting, working, alloying, and heat treatment.

(3) The metals and alloys used in dentistry are considered in terms of the above principles. The properties of amalgams and gold alloys, both cast and wrought, are given special attention and the proper care of steel instruments is discussed in terms of the metallurgical behaviour of steels.

Textbook: E. C. Rollason, Metallurgy for Engineers (Edward Arnold).

Reference Books: F. L. Coonan, Principles of Physical Metallurgy; J. O. Lord, Alloy Systems; E. A. Smith, Dental Metallurgy; E. W. Skinner, The Science of Dental Materials; Wulff, Taylor and Shaler, Metallurgy for Engineers; Mondolfo and Zmeskal, Engineering Metallurgy.

The Laboratory course includes experimental work with the metals: gold, silver, copper, lead, zinc, tin, aluminum, nickel, iron, and steel.

The metals and some of their alloys are hammered, filed, cut, rolled, heat treated, and tested to determine their important mechanical properties. In some cases chemical properties are investigated briefly.

Pure gold and silver are prepared and dental and other amalgams are prepared and tested.

The course is given during the first term of each session by Professor Yates.

OFFICE PROCEDURE AND PRACTICE MANAGEMENT

Lecturers

JOHNSTON W. ABRAHAM
VICTOR HOUGHTON

This course consists of fifteen lectures given in the Fourth year. The purpose is to enable the undergraduate to understand the problems encountered in the conduct of a successful dental practice. The lectures consider the dentist's personal preparation (mental, moral, and physical); his relation and obligation to the patient, to the public, and to the community; and finally, office location, office management, and records. Advice is offered on dental fee questions, accumulation of a competence, insurance, and investments.

OPERATIVE DENTISTRY

Assistant Professors — E. R. Ambrose, *Chairman*; Harry Rosen

Lecturers — Roberta P. Dundass; Marcel Hebert

Demonstrators

G. M. Dundass; W. R. F. Dohn; G. K. Hale; L. C. Moran; D. J. Munro; R. Nadeau; Z. B. Nyeste; T. C. Postans; W. R. Robinson; R. P. W. Ryan; W. D. Sanders; A. J. Schutz; J. E. VanVliet; J. Vincelli

The purpose of this course is to instruct and train the student in the treatment of all diseases of, and injuries to, the hard tissues of the teeth and the restoration of the anatomy of the tooth in relation to function. Special attention is given to children's dentistry with the aim that operative procedures will have for their object the inhibition of pathologic processes and the maintenance of normal occlusion.

Lectures and laboratory courses in the First and Second years include all the procedures of operative technique.

Lectures on theory in the Third year combined with practical experience at the Dental Clinic in the Third and Fourth years stress the co-ordination of Operative Dentistry with Dental Hygiene, Orthodontics, Periodontia, Endodontia and Prosthetic Dentistry to the end that the student will graduate with adequate knowledge and ability to treat patients of all ages and conditions of life.

Textbooks: G. V. Black, 2 Vols. (Medico-Dental Co., Chicago); McBride, Juvenile Dentistry (Blakiston); Gabel, American Textbook of Operative Dentistry (Lea & Febiger); McGehee, True, Inskipp, Textbook of Operative Dentistry (Blakiston); Simon, Operative Dentistry (Saunders).

ORTHODONTICS

Professor — Gerald Franklin, *Chairman*

Associate Professor — M. L. Donigan

Lecturer — Albert J. Colle

Demonstrators — Charles Asselin; Walter Swiston

This course is designed to give the student a knowledge of normal occlusion and of the basic principles underlying the development of malocclusion, its prevention and treatment. It includes lectures, training in technics,

and clinical treatment of patients. Emphasis is placed on orthodontics as an integral part of dentistry and its relation to other branches of general practice. The practical training serves to develop digital skill and to give the student some experience in movement of teeth.

The course extends over the Second, Third, and Fourth years. Its study commences in the First year with the basic sciences including histology and embryology which cover the development, growth, and eruption of the teeth.

SECOND YEAR

In this year the course is devoted to technique. Exercises in wire bending and in freehand soldering are carried out. In addition, each student is required to take upper and lower impressions of a fellow student and to trim the casts according to standard technique.

THIRD YEAR

In this year the course includes appliance technique and lectures. For review, the taking of impressions and the trimming of casts are repeated. Advanced exercises in freehand soldering are completed. This is followed by construction of bands with attachments, labial appliance, space maintainer, guide plane, and bite-plate on typodonts. The lectures cover terminology, normal occlusion and its development, and classification of malocclusion and anchorage.

FOURTH YEAR

In the final year a full course of lectures is given and treatment of patients is carried out by the students.

The lectures cover growth and development, etiology, diagnosis, principles of treatment, and prevention and interception of malocclusion. Pertinent histology and physiology of bone is reviewed with special emphasis on tissue changes incident to tooth movement. The relationship of orthodontics to the practice of general dentistry and children's dentistry is continually indicated.

In the orthodontic clinic patients with simpler malocclusions are assigned to the students. Appliances are designed by the staff and constructed of precious metals by the student who then carries out the treatment under strict supervision. In addition to being responsible for the patient assigned to him, each student is required to observe all the cases being treated in the clinic.

Textbooks: Anderson, Practical Orthodontics, 8th edition (C. V. Mosby); Salzmann, J. A., Orthodontics, Principles and Prevention (J. B. Lippincott Co.); Brash, Aetiology of Irregularity and Malocclusion of the Teeth Salzmann, J. A., Orthodontics, Practice and Technics (J. B. Lippincott Co.); McCoy, Sheperd, Applied Orthodontics (Lea and Febiger) 7th edition.

PATHOLOGY, GENERAL

Professor	G. C. McMillan, *Chairman*
Associate Professor	A. C. Ritchie
Assistant Professor	D. S. Kahn
Lecturers	S. Moore
	J. R. Stuart
Teaching Fellow	J. Phillips

1. COURSE IN GENERAL PATHOLOGY

A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the 2nd, 3rd, and 4th terms. (48 lectures.)

Drs. Kahn, Stuart and Moore

B. Two practical laboratory classes per week during the 3rd and 4th terms. (80 hours practical work.)

Drs. Kahn, Stuart and Phillips

Textbooks: Boyd, Text-book of Pathology (Lea & Febiger). Wright, Introduction to Pathology (Longmans Green).

PATHOLOGY AND DIAGNOSIS, ORAL

Associate Professor	A. Gerald Racey, *Chairman*
Assistant Professor of Clinical Dentistry	Lyman E. Francis
Lecturers	Ralph S. Edmison
	Lesley A. Gill
	John McCarthy

This course is designed to teach the recognition of lesions of the oral cavity and the underlying pathological involvement. The course extends throughout the junior and final years.

In the junior year it includes the study of the developmental defects and malformations of the teeth. Special consideration is given to the study of the etiology, diagnosis, and pathology of dental caries; diseases of the dental pulp; periapical diseases; peridontal diseases; odontogenic cysts; and tumours which commonly occur in the oral cavity. A study is also made of the oral manifestations of certain of the infective granulomata, as well as vitamin deficiencies and endocrine disturbances.

A laboratory course of three hours a week for five weeks is given during the last part of the junior year, where a study is made of the microscopic aspects of these lesions.

In the final year the course consists of a consideration of the signs and symptoms of disease of the hard structures of the teeth, the dental pulp, the peridental membrane and the periapical tissues by means of roentgenographic examination and interpretation and clinical diagnostic tests. A study is also made of the signs and symptoms of disorders of the oral mucous membrane. Treatment planning in conjunction with the other dental teaching departments is given careful consideration.

The course extends over the entire year and is composed of lectures and practical instructions.

Text Books: Thoma, Oral Pathology; Thoma, Oral and Dental Diagnosis; Kronfeld, Histopathology of the Teeth and Their Surrounding Structures; Miller, Oral Diagnosis and Treatment; Burket, Oral Medicine; Color Atlas of Oral Pathology (Lippincott); Shafer, Hine and Levy, Oral Pathology.

PEDODONTICS

Lecturer — ROBERTA DUNDASS, *Chairman*

Demonstrators — ROLAND NADEAU; WILFRID R. ROBINSON; ALBERT J. SCHUTZ

Guest Lecturer — HARRY M. SLATER

A course introducing child management, treatment planning, and operative procedures, presented to the Third year. Clinical instruction is conducted throughout the Fourth year.

PERIODONTOLOGY

Associate Professor — WALLACE F. WALFORD, *Chairman*

Assistant Professor — PHILIP J. GITNICK

Lecturers — ROBERT F. HARVEY; J. DOUGLAS STEWART

The course, given to the junior and senior years, is designed to give the student a knowledge of the basic principles of oral prophylaxis, diagnosis, and the treatment of periodontal lesions.

The instruction given to the junior year consists of demonstrations of clinical prophylaxis followed by seminars on clinical cases. Laboratory instruction on models of clinical cases is featured during the junior year.

In the final year the course consists of thirty lectures and sixty clinical periods. Immediately following the lecture on any phase of treatment, a clinical period is devoted to application of the subject matter covered in the lecture.

The class is divided into small groups for clinical demonstrations both in the laboratory and upon patients. Each student thus has an opportunity to view, and to ask questions to an extent not possible with larger groups. Each student has an opportunity to carry out this instruction by treatments, under supervision, of patients in the University Dental Clinic at the Montreal General Hospital.

The clinical outpatient department provides an adequate supply of teaching material of representative periodontal lesions and this is further supplemented by patients referred to the department by local practising dentists.

Textbooks: Glickman, Periodontology; Goldman, Periodontal Therapy.

PHARMACOLOGY, GENERAL

Professor	K. I. Melville, *Chairman*
Associate Professor	D. R. Wood
Assistant Professor	B. G. Benfey
Teaching Fellow	N. R. Eade

A course of twelve lectures concerned with those phases of pharmacology which are of importance in dentistry, supplemented by six laboratory periods.

Textbooks: Krantz and Carr, Goodman and Gilman, or Drill.

PHARMACOLOGY AND THERAPEUTICS, DENTAL

Associate Professor	Wilfred J. Johnston, *Chairman*
Assistant Professor	Lyman E. Francis

A course for Third year students intended to provide a study of those drugs not covered in the General Pharmacology course which are of particular interest in the treatment of pathological conditions of the oral cavity.

Textbooks: Prinz, Rickert, and Dobbs, Dental Materia Medica and Therapeutics, Accepted Dental Remedies.

REMOVABLE DENTURE PROSTHESIS

Associate Professors	James McCutcheon, *Chairman*
	M. A. Rogers
Assistant Professor	R. E. Dagg
Lecturer	A. F. Cameron

Demonstrators

J. M. CHAMARD
J. T. ELO
JOSEPH FINEBERG
H. L. MUSSELLS
P. A. OSTAPOVITCH
F. E. SHAMY
H. J. SMART
D. B. WARD

The Department of Denture Prosthesis includes in its teaching instruction on Examination, Diagnosis, Treatment-Planning, Construction and Maintenance related to removable partial and complete dentures; and, such other appliances of a similar nature used in the treatment of cleft-palate and post-surgical cases.

The subject is offered in each of the four years of the course.

First year: The subject is introduced as a part of the Freshman Technics course. Work is completed on manikins and is restricted to materials and parts of basic denture techniques.

Second year: In this year the subject is dealt with at the technical level only; but, comprehensive exercises in full techniques are taught.

Third and Fourth years: The final two years are clinical years. The student is expected to treat several different kinds of cases for actual patients.

The technical and clinical training is supported by lecture and seminar series in each year.

Textbooks: Edward Kennedy, Partial Dentures (Dental Items of Interest); F. G. Neurohr, Partial Dentures (Lea & Febiger); Swenson, Complete Dentures (Mosby); Anthony, American Textbook of Prosthetic Dentistry (Lea & Febiger); Schweitzer, Restorative Dentistry (Mosby); Schwartz, Modern Method of Tooth Replacement (Dental Items of Interest); O. C. Applegate, Essentials of Removable Partial Denture Prosthesis (W. B. Saunders); Schlosser, Complete Denture Prosthesis (Saunders).

FIXED PARTIAL DENTURE PROSTHESIS

Professor
W. C. BUSHELL, *Chairman*

Assistant Professors
W. H. BOYLES
P. R. MARCHAND

Lecturers
R. T. LAMB
W. G. STOCKWELL

Demonstrators
C. H. DUNDASS
F. O. FREDERICK
L. E. KENT
H. R. LOUTTIT
A. E. PYE

This course covers the teaching of methods of repairing dental lesions by means of individual crowns and fixed partial dentures.

The teaching covers the theoretical, technical and clinical aspects of the subject and extends over the last three years of the dental course.

In the Second and Third years the teaching is carried on in the laboratory with models.

During the last two years the theoretical aspects are taught in a series of lectures.

In the Fourth year the treatment of suitable clinical cases is carried out by the students under the supervision of demonstrators.

Ceramics is also taught as a part of this course.

Textbooks: Gillet and Irving, Inlays by the Indirect System (Dental Items of Interest); Schwartz, Cavity Preparation (Dental Items of Interest); Le Gro, Ceramics in Dentistry (Dental Items of Interest); Felcher, Art of Porcelain in Dentistry; Stanley D. Tylman, Crown and Bridge Prosthesis.

PHYSIOLOGY

Joseph Morley Drake Professor	F. C. MacIntosh, *Chairman*
Professors	B. Delisle Burns
	A. S. V. Burgen
Associate Professor	Humberto Garcia-Arocha
Assistant Professors	Simon Dworkin
	Bernice Grafstein
	Paul Sekelj
	Kathleen G. Terroux
Lecturers	J. Q. Bliss
	C. Pinsky
	E. J. Reininger
Sessional Lecturer	Hyman Weiner

The purpose of this course is to give the student an elementary knowledge of the whole subject of physiology with a more special knowledge of such aspects as bear particularly on the practice of dentistry.

The course consists of three lectures a week from October to May, and fifteen laboratory periods of three hours each.

Textbooks: Best and Taylor, Physiological Basis of Medical Practice; Langley and Cheraskin, Physiological Foundations of Dental Practice; Best and Taylor, The Living Body.

RADIOLOGY

Lecturer — E. S. Dorion, *Chairman*

Demonstrator — E. C. Burbank

The introduction to this course is given at the end of Second year, just prior to the beginning of clinical work. At the outset, the possible effects of over-exposure to radiation for both the patient and the operator are stressed and the most efficient means to avoid this danger, demonstrated. The principles of the Right Angle Technique are presented and Dark Room Procedure taught following actual exposure of dental films using the dried human skull as the subject.

At the beginning of Third year the above principles are reviewed and then applied by the students taking full mouth surveys of their own teeth after which they proceed to do likewise for clinical patients. The student is kept ever mindful of the important relation of this survey to all other departments. Lectures are also given on the medical aspects of X-ray examination.

Fourth year students are given every opportunity to improve their knowledge and radiographic technique in their application to oral diagnosis and treatment.

Textbooks: McCall and Wald, Clinical Dental Roentgenology; Stafne, Oral Roentgenographic Diagnosis; Miller, Oral Diagnosis and Treatment; Thoma-Robinson, Oral and Dental Diagnosis; Simpson, Advanced Radiodontic Interpretation.

SURGERY, ORAL

Professor — John W. Gerrie, *Chairman*

Associate Professor of Oral Pathology — A. Gerald Racey

Assistant Professor in Charge of Exodontia — Roger E. McMahon

Assistant Professor — S. J. Martin

Lecturers in Exodontia — John McCarthy, Robert M. Wiener

Lecturer in Anaesthesia — M. A. Rogers

Lecturer — Eric P. Millar

Demonstrators

GEORGE BRABANT
LOUIS EPSTEIN
E. H. JONES
RODNEY A. LEFEBVRE
D. H. MUHLSTOCK

The course, given during the junior and final years, is designed to make the student proficient in the arts of local anaesthesia and exodontia and to familiarize him with the principles of general surgery and the details of oral surgery including surgical treatment of malignant disease.

Although work in the department is largely clinical, forty-five lectures are given to provide a didactic groundwork. The Dental Clinic, established in the Montreal General Hospital almost 50 years ago, treats over twenty thousand patients yearly and also supplies the necessary dental treatment for patients resident in the hospital. The patients in the medical and surgical services, both indoor and out-patients, are available for teaching. In addition, students attend in groups at the Tumour Clinic where a large series of malignant conditions is demonstrated. Clinical lectures are given in the operating theatres, and ward rounds are conducted in the wards where mouth conditions of interest to dental students are shown.

The larger part of the lecture work is given before Christmas in the junior year. The introductory work in local anaesthesia is completed and an examination held. The student is then introduced to the Exodontia Clinic at the Hospital. Here he is given demonstrations and is required to follow the exodontia practice of the senior students.

The senior year is primarily clinical. In it the didactic work of the Third year is enlarged upon. Students practice in the exodontia clinic daily under the direction of members of the staff and are assisted after Christmas by a junior student. The class attends Oral Surgery Clinics and ward rounds once a week when histories are taken and patients examined. Oral Surgery clinics are held twice weekly at which the more advanced mouth procedures are carried out. Attendance at these is not compulsory but interesting cases are demonstrated.

Text and Reference Books: Blair and Ivy, Essentials of Oral Surgery; Thoma, Oral Surgery, Volumes 1 and 2; Archer, Oral Surgery; Berger, Principles and Technique of the Removal of Teeth; Ivy and Curtis, Fractures of the Jaws; Winter, Operative Oral Surgery; Nevin and Puterbaugh, Conduction, Infiltration and General Anaesthesia in Dentistry; Parker, Traumatic Injuries of the Face and Jaws; Padgett, Surgical Diseases of the Mouth and Jaws; Thoma, Clinical Pathology of the Jaws; Burket, Oral Medicine; Fry, Shepperd, McLeod and Parfitt, Dental Treatment of Maxilla and Facial Injuries.

CLINICAL FACILITIES

Associate Professor of Clinical Dentistry M. A. ROGERS

The McGill University Dental Clinic is an integral part of the Out-Patient Department of the Montreal General Hospital. The Clinic, newly equipped and occupied on completion of the building in 1955, overlooks the City of Montreal from the slope of Mount Royal. Here, under the guidance of the Clinical Director and his associates in what we believe to be one of the best equipped undergraduate dental teaching clinics in America, students are taught to carry out all phases of Clinical Dentistry and related laboratory procedures.

The Third and Fourth year students attend this Clinic daily except for such time as may be taken up by lectures or other University work. Students entering the Third year must spend the period between the last of the regular May examinations and the end of June in the Clinic.

An abundance of teaching material in all aspects of Dentistry is always available. Integration with the Montreal General Hospital offers the facilities of all departments in that Hospital and allows the students to observe a wide variety of interesting and unusual cases under treatment.

A registered nurse and two resident internes are in attendance at all times.

General anaesthetics are administered in the dental surgery by the Department of Anaesthesiology of the Hospital.

LIBRARY

The Reading Room of the Medical Library which is on the third floor of the Medical Building is open to students of the Faculty of Dentistry and has a section dealing exclusively with dental subjects including standard texts, reference books and the current issues of the major dental journals. Bound volumes are kept in the stack areas on the second floor. The Library is open during the academic session from Monday to Friday, 9 a.m. to 10 p.m., Saturday 9 a.m. to 5 p.m. After June 15th the hours are 9 a.m. to 5 p.m. Monday to Friday, closed Saturday.

McGill University

Montreal

Faculty of Law

Chancellor Day Hall

1959-1960

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science.)
Institute of Education
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

Faculty of Law

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

W. C. J. Meredith, Q.C., M.A., D.C.L. — *Dean of the Faculty of Law*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

G. A. Grimson, B.Com. — *Comptroller*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

R. I. Cheffins, B.A., LL.B. (B.C.), LL.M. (Yale) — *Secretary of the Faculty of Law*

Mrs. Phyllis O'Neill — *Assistant-Secretary of the Faculty of Law*

A complete list of the teaching staff of the University, including the Faculty of Law, is printed as a separate announcement which may be obtained from the Registrar's Office.

FACULTY OF LAW OFFICE

CHANCELLOR DAY HALL

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Montreal 2

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GENERAL INFORMATION

COURSE OF STUDY

The Faculty offers a three year course leading to the degree of B.C.L. Students proceeding to the legal and notarial professions are required to take an additional year of practical training and to pass further examinations. The degree course provides a liberal education in legal principles and theory, and prepares students for the legal and notarial professions, as well as for public service and business. In the field of private law, the curriculum is based on the Civil Law system and in particular on the Quebec Civil Code; in the field of public law, stress is laid on Constitutional, International, and Administrative law, and on the new institutions and procedures resulting from the increased role of government in the modern state. The courses given in every case require at least two hours of directed study for every hour of lecture. In addition essays are required in the First and Second years, and a thesis or equivalent additional work in the Third year.

ADMISSION*

To be qualified for admission to the Faculty a student must have obtained a B.A. degree from a Canadian university or a university or college of which the degree is recognized by McGill University as equivalent.

In exceptional cases students who do not intend to practise either the legal or notarial profession may be admitted to the Faculty if they have successfully completed two years in the Faculty of Arts and Science at McGill University, or have obtained an equivalent educational standard, and are intellectually qualified to pursue with advantage the study of law.

Women are admitted to the Faculty on the same terms as men, and are eligible for the degree.

The Faculty may admit a limited number of suitable persons to attend selected courses of lectures without matriculation in a University. Such permission will only be granted to applicants who satisfy the Faculty of their capacity to undertake with advantage the study of law. They will not be allowed to proceed to a degree, but will be entitled to receive a certificate specifying the course of study which they have successfully pursued and the class which they have obtained in the examination.

Candidates for admission are required to interview the Dean or the Secretary of the Faculty and to obtain permission to register. In all cases admission is at the discretion of the Faculty.

*For students proceeding to the Bar and the notarial profession, see page 2013.

FRENCH

The attention of students is directed to the necessity of being able to read French easily, since many of the works to which they will be referred are written in that language. Reasonable fluency in spoken French is recommended for those who intend to practise in the Courts of this Province.

REGISTRATION

All students must register in person at the office of the University Registrar on Monday or Tuesday, September 21st or 22nd.

Students registering later than the prescribed dates will be required to pay a late registration fee of $5 during the first week of the session and $10 during the second. This will not be refunded, except by special permission of the Faculty.

Students must bring with them at the time of registration the evidence necessary to show that they are entitled to admission into the Faculty, if this has not already been furnished. A written acceptance by the Faculty of Law must be presented to the Registrar.

FEES

The regular fees and special fees are given in the General Information Pamphlet included with this Announcement.

DATES FOR PAYMENT

Fees are due and payable at the Accounting Office on Monday or Tuesday, September 21st or 22nd, but they may be paid before these dates. The second instalment is due and payable on January 15th. An additional $2 is charged for payment after the specified dates. An instalment fee of $5 is charged when fees are paid in two instalments.

Students registering late must pay their fees when they register, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees a list of the registered students who have not paid their fees is sent to the Dean of the Faculty, who removes their names from the register of attendance. Such students are not readmitted to any class until advice has been received from the Chief Accountant that the fees have been paid.

PRIZES, SCHOLARSHIPS, AND MEDALS

The *Elizabeth Torrance Gold Medal*, founded in 1864 by Professor John Torrance in memory of his wife, is awarded to the student who obtains the highest marks in the Final Examination.

The *Montreal Bar Association* offers a prize of $50 to the student who obtains the highest standing in Civil Law, and the Junior Bar Association a prize of $15 to the student who obtains the best marks in Civil Procedure in the final year.

The *Alexander Morris Exhibition*, of the value of $50, founded in memory of the late Hon. Alexander Morris, M.A., D.C.L., of Toronto, will be awarded to the student who obtains the highest standing in the Second year.

The *Chief Justice Robert Alfred Ernest Greenshields Prize in Criminal Law*, founded in 1943 by Mrs. Greenshields in memory of her husband, the late Chief Justice Greenshields, D.C.L., LL.D., for many years Professor of Criminal Law and Dean of the Faculty of Law. The prize will be awarded to the member of the graduating class having the highest standing in Criminal Law throughout the college course.

John E. Crankshaw Prize, established by friends of the late John E. Crankshaw, Q.C., formerly lecturer in Criminal Law at McGill University. The prize consists of an Advocate's Gown, a copy of the Annotated Criminal Code, and, revenue permitting, the year's Bar Fee. It is to be awarded to the student who has obtained the highest standing in Criminal Law subjects at McGill University and has passed his final examination for admission to the Bar of the Province of Quebec.

The *Adolphe Mailhiot Prize*, established by Mr. and Mrs. J. N. Mailhiot of Victoriaville, P.Q., in 1927, consists of a prize of law books to be given annually to a student selected by the Faculty.

The *Macdonald Travelling Scholarship* was founded by the will of the late Sir William Macdonald "for the purpose of enabling English-speaking Law students to take a course of studies in France," the testator "deeming it of great importance that the English-speaking members of the legal profession should be proficient in the French language." The value of the scholarship is approximately $1,000. The scholar elected is required to pursue a year's study in the Law Faculty of a French University approved, in each case, by the Faculty. The award is made at the discretion of the Faculty to a student of the graduating class proceeding to the Bar, who has obtained first or second class honours in the final examination, and who would be unable without such financial help to spend a year in France. The Faculty interprets the will of the late Sir William Macdonald as intending that the Scholarship be awarded only to students preparing for practice as advocates in the Province of Quebec. Under the present regulations the Scholarship must be used in the year in which it is awarded.

The *Edwin Botsford Busteed Scholarship* was founded by the will of the late Mrs. Busteed in memory of her husband, Edwin Botsford Busteed, K.C., B.A., B.C.L., and will be awarded to an applicant, chosen by the Faculty, who desires to carry out graduate research on some

subject connected with the law of Quebec and approved by the Faculty. The value of the scholarship is approximately $240.

The *Thomas Alexander Rowat Scholarship* was founded by Mr. Donald McKenzie Rowat, N.P., in memory of his brother, Lieutenant Thomas Alexander Rowat, B.C.L., who was killed in action at Lens, France, on the 28th June, 1917. The value of the scholarship is approximately $125. It is awarded in alternate years for proficiency in the French language and in the old French law.

The *Charles Albert Nutting Prize* was founded in 1930 by Miss Adelaide Nutting, M.A., R.N., in memory of her brother, Charles Albert Nutting, Q.C., B.C.L., who graduated from this Faculty in 1872. The value of the prize is approximately $70. It is awarded to the student in the First or Second year submitting the best essay on a topic related to legal history, the topic to be fixed in advance by the Faculty.

The *I.M.E. Prize in Commercial Law* was established by Mr. George S. McFadden Q.C. and consists of $70 in law books awarded annually to the member of the graduating class having the highest standing in Commercial Law throughout the course.

The *Carswell Company Prizes*, consisting of two sets of books valued at $30 each, are awarded to first or second year students at the discretion of the Faculty. These prizes were established in 1948 by the Carswell Company of Toronto.

The *Reading Society Prize*, established in 1952 by the Reading Society of Montreal, consists of $50 to be awarded annually to the student who obtains the highest standing in the First year.

The *Chief Justice R. A. E. Greenshields Memorial Scholarships* were founded by the will of the late Mrs. R. A. E. Greenshields in memory of her husband, the late Chief Justice Greenshields, D.C.L., LL.D., for many years professor of Criminal Law and Dean of the Faculty of Law. Two scholarships of the value of $400 each are awarded annually to students entering the Faculty of Law and are renewable in each of the two upper years leading to the Bachelor of Civil Law degree, provided that the student's conduct is satisfactory and that he maintains at least a high Second Class standing, or in the opinion of the Faculty is for other reasons entitled to its renewal. Candidates must satisfy the regular requirements for admission to the Faculty, must have earned a scholastic standing of at least high Second Class, and preferably First Class at the University or Institution which they previously attended, and must furnish evidence of the necessity of financial assistance in order to be able to take up the study of law. Although fluency in both English and French is not essential, preference will normally be given to an applicant who has a good working knowledge of both languages.

The *I. Ballon Memorial Medal* was established in 1955 by Mrs. I. Ballon in memory of her husband, the late Isidore Ballon, B.A. 1907, B.C.L. 1908, and is awarded annually to the most outstanding student on the Board of Editors of the McGill Law Journal.

The *H. E. Herschorn Prize* consists of $100 to be given annually by Mr. H. E. Herschorn, N.P., B.A. 1911, B.C.L. 1914, and awarded to the highest ranking student of the graduating class who intends to enter the Notarial profession.

The *Alexander Scholarship*, consisting of $45 was established in 1950 under the will of the late Maurice Alexander, C.M.G., K.C., of London, England, as a token of esteem for the late Sir Charles Peers Davidson, former Professor of Criminal Law at McGill University. It is awarded annually to a student selected by the Faculty.

The *Lyon W. Jacobs Bursary*. Established in November, 1957 by donations totalling $500 from the son and daughters of Mr. Lyon W. Jacobs, Q.C. in honour of their father. This fund is to be used to provide an annual $100 award to a Second or Third year law student who, in the opinion of the Faculty of Law shows the most progress in his studies and is also in financial need.

The *Faculty Essay Prize* consist of $50 to be awarded annually to the student writing the best essay in public law in the Third year.

The *Arnold Wainwright Prize* consists of $150 to be awarded annually to the student writing the best essay in civil law in the Third year.

The *A. Fleming Loan Fund* was established in 1954 by Mr. A. Fleming to aid students in the Faculty of Law. Application should be made to the Dean.

Students in the Faculty are eligible for *University Scholarships*. For particulars see the Scholarships Announcement.

No medals, prizes, or scholarships will be awarded, if in the opinion of the Faculty there is no candidate of sufficient merit.

SCHOLARSHIPS ANNOUNCEMENT

A complete list of scholarships and bursaries and the regulations governing the various loan funds are given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

DEGREES

B.C.L.

The degree granted in the Faculty is that of Bachelor of Civil Law. The course covers three years.

M.C.L.

The degree of Master of Civil Law is granted under the authority of the Faculty of Graduate Studies and Research for advanced study in law. The candidate must have the degree of B.C.L. from McGill or its equivalent, and must have obtained at least second class honours in the subject which he proposes to study and in the course as a whole. He must spend at least one year in resident study and present a thesis on some topic connected with his subject. The complete regulations governing this degree are given in the Announcement of the Faculty of Graduate Studies and Research.

LL.M.

The degree of Master of Laws is granted under the authority of the Faculty of Graduate Studies and Research for studies in the field of International Air Law. The requirements for this degree are summarized on page 2014 of this Announcement.

LIBRARY

The Law Library of the University at present contains over 30,000 volumes, and is located in Chancellor Day Hall. The principal law reports of Canada, the United Kingdom, and France are included, as well as a selection of reports from the United States and elsewhere.

Books will be loaned by the library, but fines are assessed for books overdue.

The Redpath Library, the general University library, is also available for the use of Law students.

EXAMINATIONS

*Examinations will be held:

(a) At the end of the First year, covering the year's work.

(b) At the end of the Second year, covering the Second year's work.

(c) At the end of the Third year, on the work of the Third year.

Special tests may be required by the Faculty at any time.

At all examinations in the Faculty students are at liberty to write their answers either in English or in French.

*These requirements are subject to alteration by the Faculty, of which notice will be given.

CLASSIFICATION OF MARKS

Class I	80–100%
Class II	70– 79%
Class III	50– 69%

In order to pass a student must have an overall average of at least 60%.

SPECIAL EXAMINATIONS

(a) Students are not allowed the privilege of writing supplemental examinations. Special examinations may be set in the event of illness at the time of examination and in analogous cases.

(b) All applications for special examinations must be made to the Dean in writing and must reach his office before July 1st.

(c) The prescribed fees must accompany the written application and are payable to McGill University. Fees for special examinations will be ten dollars for each paper, with a maximum charge of fifty dollars. If the Third year essay is not accepted, in addition to the foregoing, a charge of $10 for reading the revised essay will be made.

(d) Students will only be permitted to repeat a year at the discretion of the Faculty.

GRADUATING ESSAY AND OPTIONS

In addition to passing examinations, students must submit, not later than the 15th of January of their Third year, an essay of not less than ten thousand words on a subject set by the Faculty. They must also take one of the seminars offered to Third year and graduate students.*

CURRICULUM**

FIRST YEAR

INTRODUCTION TO THE STUDY OF LAW

One hour throughout the session. *Professor Louis Baudouin*

ROMAN LAW

Two hours throughout the session. *Dr. J. G. Gazdik*

*McGill Law Journal editors are exempt from this requirement.

**This curriculum is based on the requirements laid down by the Bar of the Province of Quebec, and is subject to revision without notice.

CIVIL LAW

(a) Persons and Property. *Professor Louis Baudouin*
Three hours throughout the session.

(b) Obligations I.
Two hours, one term. *Professor Paul A. Crepeau*

CRIMINAL LAW

Two hours throughout the session. *Professor R. I. Cheffins*
Mr. Joseph Cohen, Q.C.

LEGAL HISTORY

One hour throughout the session.

CONSTITUTIONAL LAW

Two hours, one term.
One hour, the other term. *Professor F. R. Scott*

LEGAL METHOD

One hour throughout the session. *Professor R. I. Cheffins*

CIVIL PROCEDURE I

Two hours, one term. *Mr. S. Weber, Q.C.*

INTRODUCTION TO THE LAW OF EVIDENCE

One hour, one term. *Dean W. C. J. Meredith, Q.C.*

SECOND YEAR

CIVIL LAW

(a) Obligations II.
Three hours throughout the session. *Professor Paul A. Crepeau*

(b) Sale, Lease and Hire, Mandate, Partnership, and Minor Contracts.
Two hours, one term.

CIVIL PROCEDURE II

Two hours, one term. *Mr. Justice G. S. Challies*

COMMERCIAL LAW

(a) General Principles, Commercial Contracts.
Two hours, one term.

(b) Negotiable Instruments and Banking.
Two hours, one term.

(c) Carriers.
One hours, one term.

(d) Insurance.
Two hours, one term. *Mr. J. B. O'Connor*

CONSTITUTIONAL LAW

Two hours throughout the session. *Professor F. R. Scott*

CRIMINAL PROCEDURE AND EVIDENCE
Two hours, one term.
One hour, the other term. *Mr. Joseph Cohen, Q.C.*

INTERNATIONAL LAW
Two hours throughout the session. *Professor Maxwell Cohen*

THIRD YEAR

CIVIL LAW
(a) Privileges, Hypothecs, Registration, and Prescription.
Two hours, one term. *Mr. James A. Soden*
(b) Marriage Covenants.
Two hours, one term.
(c) Successions, Gifts, Wills, Substitutions, and Trusts.
Two hours, one term. *Mr. R. T. Clarkson*

COMPANY LAW
One hour throughout the session. *Mr. P. F. Vineberg*

CIVIL PROCEDURE III
Two hours throughout the session. *Dean W. C. J. Meredith, Q.C.*

PRIVATE INTERNATIONAL LAW
Two hours throughout the session. *Paul A. Crepeau*

JURISPRUDENCE
Two hours throughout the session. *Professor Maxwell Cohen*

ADMINISTRATIVE LAW
Two hours throughout the session. *Professor R. I. Cheffins*

MUNICIPAL LAW
One hour, one term. *Mr. Graham Gould, Q.C.*

INDUSTRIAL LAW
One hour throughout the session. *Mr. Marc Lapointe*

TAXATION
One hour throughout the session. *Mr. A. L. Bissonette*

EVIDENCE
One hour, one term. *Mr. Justice G. R. W. Owen*

MARITIME LAW
One hour, one term. *Mr. Justice G. R. W. Owen*

BANKRUPTCY
One hour throughout the session. *Mr. W. J. McQuillan*

THIRD YEAR AND GRADUATE SEMINARS

COMPARATIVE LAW

Two hours throughout the session. *Professor Louis Baudouin*

BASIC PROBLEMS IN CANADIAN CONSTITUTIONAL LAW

Two hours throughout the session. *Professor F. R. Scott*

THE LAW AND CONSTITUTION OF INTERNATIONAL ORGANIZATIONS

Two hours throughout the session. *Professor Maxwell Cohen*

LEGAL PROBLEMS IN GOVERNMENT CONTROL OF BUSINESS

Two hours throughout the session. *Professor Maxwell Cohen*

FOURTH YEAR

Although students may be granted the degree of B.C.L. at the end of their Third year, those who are candidates for admission to the Bar and to the Notarial profession of Quebec are required to take a fourth year.

The Fourth year for students proceeding to the Bar is directed by the Dean. The course consists of practical instruction in the following subjects:

(a) Lectures and seminar instruction in drafting of legal documents and opinions, and practical instruction in Civil Law, Civil Procedure, Criminal Law and Procedure, Parliamentary Procedure, Company Law, Accountancy, Municipal Law, Taxation Law, and Legal Ethics and Professional Organization. Practical instruction in these subjects is given by the Dean and by twenty-seven practitioners.

(b) Trial Technique in Civil and Criminal Matters.

(c) Practical training in selected law offices or in Judges' Chambers.

ADMISSION TO THE LEGAL PROFESSION IN QUEBEC

Candidates proceeding to the Quebec Bar must be Canadian citizens and hold the degree of B.A. from a Canadian university or a university or college of which the degree is recognized jointly by Laval, McGill, Montreal, Ottawa, and Sherbrooke Universities, and in addition by the Bar. They must also satisfy the Bar Examiners that they have successfully completed "the regular course in philosophy" in an approved university. The philosophy course may, with permission from the Faculty, be taken concurrently with the law course.

Candidates for admission to the Notarial profession in Quebec must be Canadian citizens and hold the degree of B.A. from Laval, McGill, Montreal or Ottawa Universities, or another university or college of

which the diploma is recognized as equivalent by one of them, for admission to its law course. They are required to have studied Latin and Philosophy.

In addition to the university fees for the law course, candidates are required to pay special fees for admission to the Bar or the Notarial profession.

In view of periodic amendments to the Notarial and Bar Acts, candidates are warned that they should not rely on the brief summary of requirements contained in this Accouncement but should consult the following representatives of the Bar and Notarial profession before admission to the Faculty. Information regarding admission to the Bar may be obtained by applying to Mr. Charles Coderre, Q.C., 170 Dorchester Street East, Montreal, or by consulting the Bar Act of the Province of Quebec. Information regarding admission to the Notarial profession may be obtained by applying to Mr. Arthur Courtois, N.P., Room 320, New Court House, Montreal, or by consulting the Notarial Code, 1941, R.S.Q., chap. 263 (as amended).

INSTITUTE OF INTERNATIONAL AIR LAW

This Institute operates within the Faculty of Law. Its Director is Mr. A. Rosevear, Q.C.

The purpose of the Institute is to provide facilities for advanced study in International Air Law for qualified Law graduates, and also to provide an academic organization for fundamental research in this field.

The course of study normally requires two years' residence at the Institute, but those candidates whose work during the First year is, in the Director's opinion, satisfactory, may be permitted during the Second year to offer a thesis *in absentia* on an approved subject within the field of the Institute's work. If the thesis is accepted, the candidate will receive the degree of LL.M.

The annual fee for the course in residence (excluding living expenses in Montreal) is $500, plus an additional fee of $25 payable at the time of filing a thesis *in absentia*. Students in residence also pay a fee of $6 for students' activities.

Applicants for admission must hold a Law degree from an approved Law School in any part of the world, or must have been admitted to the practice of Law, but those having a working knowledge of the English and French languages will be given preference. All candidates must

present evidence of the subjects covered in their prior Law studies and of their scholastic standing.

The course commences on the first Monday of October in each year. but candidates should be in residence not later than the preceding Monday. Application forms and curricula are available at the Faculty of Law office,

McGILL LAW JOURNAL

The McGill Law Journal is managed and edited by a board of students of the Faculty of Law. Scholarship and literary capacity determine the group of students who are selected as members of the editorial board. The Journal is a recognized activity of the Faculty of Law and is designed particularly to promote understanding in the common law world of the Quebec civil law system.

McGill University

Montreal

Faculty of Music

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine

Faculty of Medicine Postgraduate Courses

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture.)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Institute of Education

Library School

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture and School of Household Science.)

French Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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Faculty and Conservatorium of Music

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. . . . . *Principal*

David L. Thomson, B.Sc., M.A. (Aberdeen), Ph.D. (Cantab.), LL.D. (Aberdeen and Middlebury), F.C.I.C., F.R.S.C. . . . . *Vice-Principal*

Marvin Duchow, Mus.B., B.A. (N.Y.U.), M.A. (Rochester) . . . . *Dean of the Faculty of Music*

Jack Waud, L.Mus., Mus.B. . . . . *Secretary of the Faculty of Music*

J. H. Holton, B.Com. (Toronto) . . . . . *Secretary of the Board of Governors*

G. A. Grimson, B.Com. . . . . *Comptroller*

Colin M. McDougall, D.S.O., B.A. . . . . *Registrar*

MEMBERS OF THE FACULTY

The Dean

The Principal

The Vice-Principal

H. N. Fieldhouse, B.A. (Oxon.), M.A. (Sheffield), F.R.S.C. . . . . *Dean of the Faculty of Arts and Science*

Helmut Blume, Mus.B. (Berlin) . . . . . *Chairman, Department of Keyboard and Vocal Music*

Alexander Brott, L.Mus. . . . . *Chairman, Department of Orchestral Instruments*

F. K. Hanson, Mus.D. . . . . *Professor of Education (Music) in the School for Teachers*

All communications should be sent to the Secretary of the Faculty of Music, McGill University, Montreal, Que.

TEACHING STAFF OF THE FACULTY AND CONSERVATORIUM OF MUSIC

DEPARTMENT OF THEORY

Professor — The Dean, *Chairman*
Associate Professors — Helmut Blume; Alexander Brott
Assistant Professor — Istvan Anhalt
Instructors — Shirley Byers; Neil Chotem; Kelsey Jones; Ria Heyninx-Lenssens; Kenneth Meek; Alice Postner

DEPARTMENT OF KEYBOARD AND VOCAL MUSIC

Associate Professor — Helmut Blume, *Chairman*
Instructors

PIANO

Ellen Ballon (Master Class)

Eva Baltas; Shirley Byers; Neil Chotem; Mary Corish; Elizabeth Dawson; Lawrence Dennis; Rose Goldblatt; Edna Marie Hawkin; Samuel Levitan; Gian Lyman; Kenneth Meek; Dorothy Morton; Phillips Motley; Charles Reiner; Elizabeth Schwob-Morton; James B. Speirs; Lubomyra Zuk

ORGAN

George Little; Gian Lyman; Kenneth Meek; Phillips Motley

HARPSICHORD

Kelsey Jones

SINGING

Bernard Diamant; Ria Heyninx-Lenssens; Jean L. Millar; Edith della Pergola; Luciano della Pergola

OPERA CLASSES

Bernard Diamant; Ria Heyninx-Lenssens; Jean L. Millar; Edith della Pergola; Luciano della Pergola; Gilles Potvin

CHOIRMASTER'S TRAINING

George Little

PEDAGOGY

Edna Marie Hawkin; Kenneth Meek; Jean L. Millar; Gifford Mitchell

RADIO PROGRAMMING AND PRODUCTION

Carl Little; Donald McGill

CONSERVATORIUM CHOIR

George Little

DEPARTMENT OF ORCHESTRAL INSTRUMENTS

Associate Professor — ALEXANDER BROTT, *Chairman*

Instructors

VIOLIN

HYMAN BRESS
ARTHUR GARAMI
KENNETH PERKINS
D'ARCY SHEA

VIOLA

OTTO JOACHIM
STEPHEN KONDAKS
LUCIEN ROBERT

CELLO

LOTTA BROTT
WALTER JOACHIM
YVETTE LAMONTAGNE

DOUBLE BASS

ROGER CHARBONNEAU
NATALIE CLAIR

FLUTE

HERVE BAILLARGEON
MARIO DUSCHESNES

RECORDER

MARIO DUSCHESNES

OBOE

MELVIN BERMAN
REAL GAGNIER
ARTHUR ROMANO

ENGLISH HORN

ARTHUR ROMANO

SAXOPHONE

ARTHUR ROMANO

CLARINET

RALPH MASELLA

BASSOON

RUDOLPH MASELLA

TRUMPET

GEORGE JONES
JACQUES LECOMTE
ARNOLD MACLAUGHLAN

FRENCH HORN

JOSEPH MASELLA

TROMBONE AND TUBA

JOSEPH BELL
JOSEPH ZUSKIN

HARP

DOROTHY WELDON

PERCUSSION

LOUIS CHARBONNEAU
MICHEL PERREAULT

PEDAGOGY

ALEXANDER BROTT AND STAFF

CHAMBER MUSIC AND CONSERVATORIUM ORCHESTRA

ALEXANDER BROTT

SCHOOL MUSIC CLASSES

Professor — FRANK HANSON

FACILITIES

The McGill Faculty and Conservatorium of Music is situated near the main campus. Facilities include a number of practice and teaching studios with piano, and one studio with small organ, all of which may be used both by regular and partial students at a nominal charge. A studio equipped with tape recorder, microphone, and instrument panel, is primarily intended for the use of radio classes, but is also available to advanced instrumental and vocal students for instructional purposes. A small undergraduate music library comprises: (a) record collections donated by the Carnegie Foundation, the London Gramophone Corporation, and the British Council; (b) a representative collection of standard chamber music, orchestral, choral and piano scores, as well as a nucleus of historical editions and a reference shelf.

For the presentation of senior student recitals, orchestral and choral concerts, special lectures, and similar events, the Faculty of Music enjoys the use of nearby Redpath and Moyse Halls, both of which are located on the main campus. The music section of Redpath Library, which is also located on the main campus, offers additional valuable resources to the students of the Faculty of Music. There the student will find a moderately large miscellaneous collection embracing such fields as musical biography, history, theory, aesthetics, and other subjects, as well as the noteworthy Donalda Collection of nineteenth century operatic scores.

The Conservatorium of Music holds periodic junior student recitals. Events planned by the Faculty and Conservatorium for the session of 1958-59 are: (a) a series of Campus Concerts held fortnightly on Mondays between 1 and 2 p.m., featuring senior students; (b) a series of Faculty Recitals; (c) operatic performances. The Faculty of Music also sponsors a series of public lectures by eminent authorities on subjects of specialized, as well as of more popular, interest.

SCHOLARSHIPS AWARDED

Donalda Prize	Kenneth Asch	Singing
	Denise Martineau	Singing
	Louis Spritzer	Singing
Macdonald Memorial Scholarships	Mary Blaikie	Pianoforte
	Greta Jones	Pianoforte
	Gordon White	Organ
	Pierre Perron	Organ
	Svetlana Rajewsky	Singing
Peterson Memorial Scholarships	Mary Badre	Pianoforte
	Esther Berger	Pianoforte
	Lessy Ashkenazi	Pianoforte
	Eve-Marie Kovalik	Pianoforte
	Voula Syroloulos	Singing
Magor Scholarship	Gerrit Tetenburg	General Proficiency
	Charles Palmer	
	Wayne Riddell	

Ressler Scholarship	JOHN ADAMS	Violin
	LISE SANFAÇON	Violin
Ballon Scholarship	ERIC PACI	Pianoforte

SCHOLARSHIPS AND BURSARIES

Details of Scholarships and Bursaries will be found in the Scholarships, Bursaries, Prizes and Medals Announcement, issued by the University and obtainable at the Registrar's Office.

GENERAL STATEMENT

The McGill Faculty and Conservatorium of Music provide instruction in both the practical and theoretical fields of music. Faculty and Conservatorium, while sharing staff and facilities in common, maintain their distinctive functions and internal structure.

FACULTY

The Faculty of Music offers a four-year course of instruction leading to the degree of Bachelor of Music (Mus. B.). The programme of studies provides for specialization in the following fields:

(a) *Composition*

(b) *Performance*

(c) *School Music*

Candidates for the Mus. B. degree in Composition share a large number of theoretical courses with those in the remaining fields of specialization during the first and second years. More intensive theoretical training is reserved for the third and fourth years of the Composition programme.

In the field of Performance, candidates may qualify for the Mus. B. degree in any one of five programmes of study:

I Piano
II Organ
III Stringed or Orchestral Instruments
IV Voice A (Concert: Lied — Oratorio)
V Voice B (Opera)

A Professional Instructors' course is available as an option in the third and fourth years of Piano, Organ, and Stringed Instruments (Violin, Viola, Cello only), and in the second, third, and fourth years of Voice. For further particulars refer to page 2124.

The music courses required for the Mus. B. degree in School Music are concentrated in the first three years of study. The fourth year, designated School for Teachers, is taken at Macdonald College. It comprises the complete programme of education courses required for the degree.

Available to all degree candidates are a large number of ensemble and fourth year elective courses in the following fields:

Orchestra
Choir
Choirmasters' Training (Collegium Musicum, Choral Conducting and Church Choral Music)
Chamber Music
Piano Ensemble
Piano Accompaniment
Opera (Acting, Staging, Coaching)
Radio (Music Production, Programming, Announcing, Radio Composition)
Pedagogy

A selected group of these courses forms a part of each required curriculum.

As previously noted, considerable emphasis is placed upon the theoretical and historical aspects of music study in each of the three fields of specialization. Important as a basis for expert musicianship, this training is equally valuable as an intellectual and humanistic discipline. It also facilitates transference from one to another field of specialization in that it calls for a large common segment of courses in the first and in the second year. An academic continuation course also forms part of the Mus. B. curriculum.

CONSERVATORIUM

The McGill Conservatorium of Music comprises a Senior and a Junior Department. In addition to its function as an institution offering courses of musical instruction, the McGill Conservatorium exists as an examining body holding annual examinations in both practical and theoretical subjects at various local centres throughout the Dominion.

SENIOR DEPARTMENT

The Senior Department of the McGill Conservatorium offers courses of instruction leading to the diploma of Associate in Music (A. Mus.), and to that of Licentiate in Music (L. Mus.). The diploma of Associate is awarded at the conclusion of the first year of study; that of Licentiate at the conclusion of the third.

The diplomas of Associate and Licentiate are available in the field of Performance only. Candidates may qualify in any one of the five instrumental or vocal areas open to Mus. B. candidates in that field. The curriculum of studies leading to these diplomas differs from that of the degree course in Performance in that it permits maximum concentration upon practical studies with lesser emphasis upon theoretical subjects. An ensemble requirement is included in both the first and second years of the Licentiate course.

JUNIOR DEPARTMENT

Information pertaining to the Junior Department of the Conservatorium will be found on page 2163 following.

LOCAL CENTRES

Information pertaining to the Local Centre examinations will be found on pages 2163 and 2164.

ADMISSIONS

All applications for admission to the Faculty or the Conservatorium of Music must be directed to the Secretary of the Faculty of Music, McGill University, Montreal, Que. (Tel: VIctor 9-9181, Local 482.)

ADMISSION REQUIREMENTS

FACULTY

In order to qualify for admission to the Faculty of Music, the candidate must pass (that is, obtain a minimum of fifty per cent) in each of the ten McGill School Certificate examinations listed below, and must achieve an average mark of sixty-five per cent in the ten examinations combined.

Matriculation Subject	Number of Papers
English	2
General History	1
Language — One of the following: French, German, Spanish, Latin, Greek	2
Elementary Algebra or Geometry	1
Music — Practical: Instrument or Voice 9 for candidates seeking admission to the Mus. B. programme in either Composition or School Music; Instrument or Voice 11 for Mus. B. in Performance — Theoretical: Theory 9	1
Electives — Three of the following: Biology, Botany, Chemistry, Art, Geography, Physics, Intermediate Algebra, Trigonometry, Canadian History *or* British History, a foreign language not already chosen	3

CONSERVATORIUM (SENIOR DEPARTMENT)

Requirements for admission to the first (Associate) year of the Senior Department are:

Academic Subjects: High School Leaving Examinations. (N.B. North American Literature is available as an elective to candidates who wish to qualify for admission to the Associate course.)

Musical Subjects: — Practical Instrument or Voice 11
— Theoretical: Theory 9

The requirement for admission to the second (first Licentiate) year of the Senior Department is the diploma of Associate in Music.

TRANSFER OF CREDITS — AUDITIONS

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Applicants with music credits from other universities or music schools must submit to the Secretary of the Faculty of Music an official transcript of their record. This should be done well in advance of the date of registration. Also required is an audition in the practical subject. Auditions are held during the second and third weeks of September.

CLASSES OF STUDENT

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Students are registered as:

(a) **Regular Undergraduates.** These are students who have the complete requirements for admission to either the Faculty or the Senior Department of the Conservatorium, and who are following the regular programme of studies of their year towards either the Mus. B. degree or the diplomas of A. Mus. or L. Mus.

(b) **Limited Undergraduates.** These are students who have the complete requirements for admission to either the Faculty or the Senior Department of the Conservatorium but who, because of ill-health or other circumstance, are unable to complete their degree work in the required number of years. Such students may, with the Dean's permission, extend their course beyond the required period, but must complete it within: (a) eight years for the Mus. B., (b) six years for the L. Mus.

(c) **Partial Students.** These are students who are not registered as proceeding to a degree or diploma, but who are permitted to take one or more courses. Partial students in practical subjects may not register for less than one term, and must notify the Secretary at least two weeks before the end of the term if they wish to discontinue lessons.

EXAMINATIONS

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Sessional Examinations

Final sessional examinations in all theoretical subjects are held in late April and early May. Examinations in all practical subjects take place during the first three weeks of May.

Deferred Examinations

Deferred practical examinations are permitted only in case of illness or other exceptional circumstances. A written request for the deferment of examination must be submitted to the Dean.

Supplemental Examinations

Students who have failed to obtain the passing grade of 60% in any written examination have the choice of: (a) passing a supplemental examination in that subject in the fall; (b) repeating the course.

CLASSIFICATION OF MARKS

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

100—85%	First Class
84—70%	Second Class
69—60%	Third Class
Below 60%	Failure

FEES

TUITION FEES

N.B. The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Regular Students: The fee for the course leading to the Mus. B. degree varies according to the field of specialization selected. The fees are as follows:

Mus. B. in Composition	$500 per session
" " " Performance	600 " "
" " " School Music, (First, Second, and Third Years)	500 " "
" " " School Music (Fourth Year)—Consult special announcement of Institute of Education.	

Fees for courses leading to the diplomas of Associate and Licentiate in Music are as follows:

A. Mus.	$400 per session
L. Mus.	450 " "

The annual fees for regular students also cover fees for the degree or diploma examinations at the end of the session, as well as fees for library and athletic privileges, the latter including required Physical Education, Student Health Service, and admission to home games under the control of the Athletics Board, except those of the senior football and hockey teams.

The above fees include the student activity fee of $15.

Limited Undergraduate and Partial Students. Fees for individual courses in either the Faculty of Music or the Senior Department of the Conservatorium are as follows:

ENSEMBLE COURSES:

Orchestra and Choir	no fee
Piano Accompaniment	$75 per session
Repertory Coaching	75 " "
All other ensemble courses	50 " "

ELECTIVE COURSES:

Radio Composition	$90 per session
Organ Repertoire	75 " "
Piano Repertoire	75 " "
All other elective courses	50 " "

THEORETICAL COURSES:

Aural Training, Harmony, and History and Analysis	$90 per session
Composition, Conducting, Counterpoint, and Orchestration	50 " "

PRACTICAL COURSES:

Piano, Organ, Harpsichord, Voice, Violin, Viola, and Cello	$288 per session
All other instruments	216 " "

NOTE: Tuition fees pertaining to courses in the Junior Department of the Conservatorium are listed on page 2165.

EXAMINATION FEES

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Examination fees for Limited Undergraduates and for Partial Students are $10 for each theoretical and $15 for each practical examination.

(NOTE: *Examination fees pertaining to courses in the Junior Department of the Conservatorium are listed on page 2165.*)

DATES OF PAYMENT:

TUITION FEES

The University does not issue bills for fees. Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. (Saturday 9 a.m. to 11 a.m.) on or before October 1st.

Remittance may be made by mail in which case cheques or money orders should be made payable to McGill University, and addressed to the Cashier, Accounting Department, McGill University, Montreal 2, P.Q.

Fees may be paid in two instalments, one at the beginning of the session, the other not later than January 15th. In such cases, the instalment fee of $5 is charged.

Special fees and penalties for late payment are shown in the General Information pamphlet which accompanies this announcement.

EXAMINATION FEES

All examination fees, including those for local centre examinations, must be paid in advance to the Secretary of the Faculty of Music, McGill University. In the case of local centre examinations, forms of application duly filled in by the candidate and accompanied by the examination fee must reach the Secretary in Montreal on or before April 1st.

ATTENDANCE REGULATIONS

1. All students are required to be punctual at all classes and lessons.
2. The attendance register must be signed by the student after each lesson in a practical subject.
3. Lessons in practical subjects missed in consequence of the instructor's absence will be made up at the mutual convenience of instructor and pupil. Lessons missed in consequence of the pupil's absence will be made up only if notice of cancellation has been given forty-eight hours in advance, or if a doctor's certificate is produced.

4. A maximum of unexcused absences comprising one-eighth of the total number of lectures will be permitted in any given degree or diploma course. Excuses for absence in excess of that number must be submitted to the Dean. These will be found acceptable only on grounds of illness (in which case a proper medical certificate is required), or in similar warranted circumstances. Unexcused absences in excess of the number allowed will result in the loss of examination privilege.

PROGRAMME OF STUDIES IN THE FACULTY OF MUSIC

MUS.B. DEGREE IN COMPOSITION

CURRICULUM:

	SUBJECT	HOURS PER WEEK
FIRST YEAR	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical	½
	Ensemble	2
	Academic	3
		18½
SECOND YEAR	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Composition 201	1
	Counterpoint 201	1
	Practical	½
	Ensemble	2
	Academic	3
		17½
THIRD YEAR	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Composition 301	1
	Counterpoint 301	1
	Orchestration 301	1
	Practical	½
	Ensemble	2
	Academic	3
		18½
FOURTH YEAR	Harmony 401	2
	Composition 401	1
	Counterpoint 401	1
	Orchestration 401	1
	Ensemble	2
	Academic	3
	Electives	3
		13

PRACTICAL REQUIREMENT

The practical requirement for the Mus.B. degree in Composition is the grade 11 certificate of the Junior Department of the Conservatorium in the practical subject (instrument or voice) in which the candidate had qualified for admission. In those cases where the subject is other than piano, Piano 7 is imposed as an additional practical requirement to be completed by the end of the second year.

ENSEMBLE REQUIREMENT

Two years of either Choir or Orchestra are obligatory for all candidates qualifying for the Mus.B. degree in Composition, and may be taken in any sequence during the four year course of studies. Two remaining years of these or any of the other ensemble courses listed on pages 2147 and 2162 serve to complete the requirement. The selection is to be made in consultation with the departmental chairman or the Dean.

ACADEMIC REQUIREMENT

To fulfill the academic requirement for the first Mus.B. year in Composition, the candidate is required to select one first year course from the list of academic courses tabulated on pages 2135 to 2137. Beginning in the second year, the candidate must follow a continuation sequence in a selected academic subject through the last three years of study. This sequence may be pursued in any subject of the candidate's choice selected from the above-mentioned list — whether the subject be that selected in the first year or some other.

FOURTH YEAR ELECTIVE REQUIREMENT

Candidates must select any three of the following courses in order to fulfill the elective requirements in the fourth year.

History 401
" 402
" 403

Composition 402 (Radio Composition and Arranging)

COMPOSITION REQUIREMENT

In addition to the regular course requirements in composition, candidates in the fourth year must submit two original compositions to be received by the Secretary of the Faculty not later than the last day of the second week in April. One is to be an unaccompanied vocal work (not an anthem) showing considerable vocal resource; the other a work for strings, or combination of not less than four instruments or full orchestra. The works may be in any form and the instrumental composition should be of extended length. It should be noted that manuscripts, whether accepted or not, will not be returned to the candidate.

VIVA VOCE

Candidates in the fourth year are required to take a comprehensive oral examination covering the fields of theory, musical history, form, orchestration, and general repertory. Questions may also be asked concerning the compositions submitted by the candidate.

MUS.B. DEGREE IN PERFORMANCE

CURRICULA

Candidates may qualify for the Mus.B. in Performance in any one of five programmes of study, the curriculum for each of which is tabulated below. Special requirements for the respective programmes of study will be found on pages 2122 to 2124.

I. PIANO

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Piano 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Piano Ensemble 101	1
	Piano Accompaniment 101	1
		18½
SECOND YEAR	Piano 201	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Piano Ensemble 201	1
	Piano Accompaniment 201	1
	Academic	3
		19½
THIRD YEAR	Piano 301 *or* 302 (Professional Instructor — see p. 2124)	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 301 *or* Collegium Musicum 101	2
	Academic	3
		19½
FOURTH YEAR	Piano 401 *or* Piano 402 (Professional Instructor)	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 401 *or* Collegium Musicum 201	2
	Academic	3
	Electives	3
		11½

II. ORGAN

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Organ 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Collegium Musicum 101	2
		18½

SECOND YEAR		
	Organ 201	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Collegium Musicum 201	2
	Academic	3
		19½

THIRD YEAR		
	Organ 301 *or* Organ 302 (Professional Instructor — see p. 2124)	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Choral Conducting 301	1
	Church Choral Music 301	1
	Academic	3
		19½

FOURTH YEAR		
	Organ 401 *or* Organ 402 (Professional Instructor)	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Choral Conducting 401	1
	Church Choral Music 401	1
	Academic	3
	Electives	3
		11½

III. STRINGED AND OTHER ORCHESTRAL INSTRUMENTS

Candidates may qualify for the Mus.B. degree in the present programme of study in any one of the following instruments as principal practical subject.

Violin	Flute	Trumpet	Harp
Viola	Oboe (English Horn)	French Horn	Percussion
Cello	Clarinet	Trombone (Tuba)	
Double Bass	Saxophone		
	Bassoon		

The instrument selected must be that wherein the candidate qualified for admission. It is to be followed in a continuation sequence throughout the four years of study — as indicated under "Instrument" in the ensuing curriculum tabulation.

	SUBJECT	HOURS PER WEEK
FIRST YEAR	Instrument — 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 101	2
		18½
SECOND YEAR	Instrument — 201	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Second Practical Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 201	2
	Academic	3
		19½
THIRD YEAR	Instrument — 301 *or* 302	
	(Professional Instructor — see p. 2124)	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 301	2
	Academic	3
		19½
FOURTH YEAR	Instrument — 401 *or* 402	
	(Professional Instructor — see p. 2124)	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 401	2
	Academic	3
	Electives	3
		11½

IV. VOICE A (CONCERT: ORATORIO — LIED)

	SUBJECT	HOURS PER WEEK
FIRST YEAR	Voice A 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	History 101	1
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Language 101	1
		18½
SECOND YEAR	Voice A 201 *or* Voice 202	
	(Professional Instructor — see p. 2124)	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Collegium Musicum	2
	Academic	3
		19½

THIRD YEAR	Voice A 301 *or* Voice 302 (Professional Instructor)	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	One of the following:	
	Piano Ensemble 101	
	Chamber Music 301	
	Church Choral Music 301	2
	Academic	3
		19½
FOURTH YEAR	Voice A 401 *or* Voice 402 (Professional Instructor)	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	One of the following:	
	Piano Ensemble 201	
	Piano Accompaniment 201	
	Chamber Music 401	
	Church Choral Music 401	2
	Academic	3
	Electives	3
		11½

V. VOICE B (OPERA)

	SUBJECT	HOURS PER WEEK
FIRST YEAR	Voice B 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	History 101	1
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Language 101	1
		18½
SECOND YEAR	Voice B 201	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Acting 201	1
	Coaching 201	1
	Academic (Language)	3
		19½
THIRD YEAR	Voice B 301	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Coaching 301	1
	Staging 301	1
	Academic (Language)	3
		19½

FOURTH YEAR	Voice B 401	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Coaching 401	1
	Staging 401	1
	Academic (Language)	3
	Electives	3
		11½

SECONDARY PRACTICAL REQUIREMENT

The selection of the secondary practical subject is to be made from the list of practical subjects offered in the Junior Department of the Conservatorium. This list appears on pages 2167-8. Non-pianists may select as their secondary practical subject: (a) piano, or (b) an instrument (not their own) other than piano. Students for whom piano is neither a principal nor a secondary subject must complete Piano 7 as an additional requirement.

All candidates selecting for their secondary practical requirement a subject in which they have had previous training must submit to an audition in which their grade level will be appraised. The degree requirement for any secondary subject is normally three grades beyond that at which the candidate was evaluated at the time of admission. The minimum grade imposed for the completion of the secondary practical requirement is 9; the maximum 201.

ENSEMBLE REQUIREMENT

Regular attendance at either Choir or Orchestra in each of the four years is obligatory for all candidates for the Mus.B. degree in Performance. The remaining ensemble requirement varies with each of the five programmes of study available in this field. The specific ensemble requirements for each of these programmes are indicated in the preceding curricula. Where options are provided, admission to these is conditional upon the consent of the departmental chairman or the Dean. Substitution of other optional ensemble courses will be considered in special cases.

ACADEMIC REQUIREMENT

Mus.B. students in the field of Performance will commence their academic course in the second year. This course is to be selected from the list of subjects given on pages 2135-7, and is to be followed in a continuation sequence through the last three years of study.

FOURTH YEAR ELECTIVE REQUIREMENT

Candidates for the Mus.B. degree in Performance are required to choose three of the following courses in fulfilment of the elective requirement in the fourth year.

History	401
"	402
"	403
Composition	402
Pedagogy	401
"	402
"	403
"	404

Instrumental Class " "	101 201	(Available as special elective pedagogy courses to candidates whose principal practical subject is an orchestral wind instrument.)
Instrumental Class	301	(Available as a special elective pedagogy course to candidates whose principal practical subject is double bass.)

SPECIAL REQUIREMENTS FOR PRACTICAL EXAMINATIONS

I. PIANO

(a) *Sight-Reading.* The sight-reading requirements for all piano examinations will be of not greater difficulty than the prepared work of the previous examination.

(b) *Transposition.* Piano 101 calls for the transposition of a simple piece either a semi-tone up or down; Piano 201 calls for transposition at whole tone up or down.

II. ORGAN

(a) *Sight-Reading.* The sight-reading requirements for all organ examinations will be of not greater difficulty than the prepared work of the previous examination. An additional sight-reading test given at all organ examinations calls for the ability to read from four-part open score. In the case of Organ 101 and 201 only G and F clefs are used; the latter grade demands, however, a greater degree of sight-reading proficiency on the part of the candidate. The sight-reading tests for the subsequent organ examinations call for a knowledge of G, F, and C clefs with again a greater degree of sight-reading proficiency demanded in the fourth year.

(b) *Transposition.* The transposition requirements for organ are as follows:

Grade	Interval of Transposition
Organ 101	semi-tone up or down
" 201, 302	whole tone up or down
" 301, 402	third up or down
" 401	at any interval

(c) *Extemporization.* The requirements for the extemporization tests in the various organ examinations are as follows:

Grade	Requirements
Organ 101	Extemporization on a short motive
" 201	" " " " theme
" 301, 302	" " " theme
" 401, 402	" " two themes

III. ORCHESTRAL INSTRUMENTS

(a) *Sight-Reading.* The sight-reading requirements for examinations in strings and in the remaining orchestral instruments consist of the reading of orchestral excerpts. The 101 examination in these subjects calls for three excerpts selected by the candidate as well as three selected by the examiner. In the case of the 201 examination, four excerpts of advanced difficulty are to be selected each by candidate and examiner, while an unspecified number is called for in the 301, 302, and 402

examinations. The sight-reading requirement is dropped in the fourth year (401) examination.

(b) *Transposition.* The transposition requirements for the various wind instruments will be found in the description of course contents for the respective instruments. (See pages 2157 to 2160.)

IV. VOICE A & B

Sight-Reading. Examples of sight-reading exercises for voice examinations are issued in booklet form by the McGill Conservatorium and may be obtained by writing to the Secretary of the Faculty of Music.

SPECIAL ELECTIVE REQUIREMENT FOR PROFESSIONAL INSTRUCTORS

Candidates for the Mus.B. degree in Performance whose principal practical subject is piano, organ, or voice, and who have in their third and fourth years chosen to follow the available professional instructors' courses (302, 402) in these fields must include the corresponding pedagogy course in their list of fourth year electives. In the field of orchestral instruments the professional instructors' course is available only in violin, viola and cello. The following table makes clear the elective course required in each of the above-mentioned cases:

Professional Instructors' Course	Required Elective
Piano 302, 402	Pedagogy 402
Organ 302, 402	" 403
Voice 302, 402	" 404
Violin, Viola, Cello 302, 402	" 401

Candidates specializing in orchestral instruments other than violin, viola, or cello, and with the exception of harp and percussion, may, while following the regular performers' course of their instrument in the third and fourth years, choose Instrumental Class 101, 201, or 301 as special pedagogy electives in the fourth year. (See above: **FOURTH YEAR ELECTIVE REQUIREMENT.**)

SPECIAL LANGUAGE REQUIREMENT FOR STUDENTS QUALIFYING IN VOICE A & B

Degree candidates in Voice A or Voice B must fulfil a special language requirement in: (a) French, (b) German, and (c) Italian. Two of these language requirements are to be satisfied by: (1) the matriculation language requirements, and (2) the academic continuation course. Language 101, which is taken in the first year, serves to complete this requirement.

VIVA VOCE

All candidates for the degree of Mus.B. in Performance are required to take a comprehensive oral examination in the final year. This examination will include questions on musical history, form, and general repertory. Candidates will also be questioned on the pieces performed by them in their final practical examination, and on the history and repertory of their particular instrument. Candidates specializing as professional instructors will also be questioned on technical and musical problems involved in the teaching of their instrument, and will be expected to demonstrate a first-hand knowledge of the teaching repertory for that instrument.

MUS.B. DEGREE IN SCHOOL MUSIC

CURRICULUM

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Vocal Physiology and Choral Techniques 101	2
	Instrumental Class 101	1
	Practical First Subject 10	1
	Practical Second Subject	½
	Acoustics	1
	Ensemble	2
		19½

SECOND YEAR	SUBJECT	HOURS PER WEEK
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Instrumental Class 201	1
	Orchestration 202	1
	Practical First Subject 11	1
	Practical Second Subject	½
	Ensemble	2
	Academic	3
		19½

THIRD YEAR		
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Instrumental Class 301	1
	Orchestration 302	1
	Practical First Subject 101	1
	Practical Second Subject	½
	Ensemble	2
	Academic	3
		19½

FOURTH YEAR

"Institute of Education" (Please refer to page 2134.)

PRINCIPAL PRACTICAL REQUIREMENT

Candidates for the Mus.B. degree in School Music may qualify for admission in piano, a string, woodwind, or brasswind instrument, or in voice. The degree requirement is the 101 course in the practical subject in which the candidate qualified for admission.

SECONDARY PRACTICAL REQUIREMENT

This requirement is the same as that for the Mus.B. degree in Performance. Please refer to page 2122.

ENSEMBLE REQUIREMENT

Candidates for the Mus.B. degree in School Music are required to take ensemble courses in all but the last year of their programme of studies. Two years of either Choir or Orchestra together with an approved ensemble course of the candidate's choice in the remaining year constitute the requirement in this subject.

ACADEMIC REQUIREMENT

This requirement is the same as that for the Mus.B. degree in Performance. Please refer to page 2122.

ELECTIVE REQUIREMENT

There is no fourth year elective requirement for the Mus.B. degree in School Music.

SPECIAL REQUIREMENTS AT PRACTICAL EXAMINATIONS

The sight-reading and transposition requirement are the same as those for the A.Mus. examination in the practical subject (orchestral instrument or voice) in which the candidate is qualifying for the degree. Please refer to page 2127.

EDUCATION REQUIREMENT

The programme of education courses called for in the fourth year is given at Macdonald College in the Institute of Education. These courses satisfy the education requirement for the Mus.B. degree in School Music. Please refer to page 2134.

PROGRAMME OF STUDIES IN THE CONSERVATORIUM OF MUSIC—SENIOR DEPARTMENT

CURRICULUM

A.MUS.

SUBJECT	HOURS PER WEEK
Practical First Subject: Instrument — 110	1
or Voice — 110 (A or B)	
Harmony 101	3
History and Analysis 101	4
	8

L.MUS.

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Practical First Subject: Instrument — 210	1
	or Voice 210 (A or B)	
	Practical Second Subject	½
	Aural Training 101	3
	Composition 101	1
	Ensemble	4
		9½
SECOND YEAR	Practical First Subject: Instrument — 310	1
	or Voice 310 (A or B)	
	Practical Second Subject	½
	Conducting 101	1
	Acoustics	1
	Ensemble	4
		7½

SPECIAL REQUIREMENTS FOR PRACTICAL EXAMINATIONS IN THE ASSOCIATE AND LICENTIATE COURSES

I. PIANO

(a) *Sight-Reading.* The sight-reading requirements for all piano examinations will be of not greater difficulty than the prepared work of the previous examination.

(b) *Transposition.* Piano 110 calls for the transposition of a simple piece a semi-tone up or down; Piano 210 calls for transposition a whole tone up or down.

II. ORGAN

(a) *Sight-Reading.* The sight-reading requirements for the organ examinations will be of not greater difficulty than the prepared work of the previous examination. An additional sight-reading test given at all Senior Conservatorium examinations in organ calls for the ability to read from four-part open score. In the case of Organ 110 only the G and F clefs will be used. The sight-reading tests for Organ 210 and 310 call for a knowledge of G, F, and C clefs, with a greater degree of sight-reading proficiency expected in the latter course.

(b) *Transposition.* The transposition requirements for organ are as follows:

Grade	Interval of Transposition
Organ 110	— semi-tone up or down
" 210	— whole tone up or down
" 310	— third up or down.

(c) *Extemporization.* The requirements for the extemporization tests are as follows:

Grade	Requirements
Organ 110	— extemporization on a short motive
" 210	— " " " theme
" 310	— " " two themes.

III. VOICE A & B

Sight-Reading. The sight-reading requirements for voice examinations will be of not greater difficulty than the prepared work of the previous examination.

IV. ORCHESTRAL INSTRUMENTS

Sight-Reading. The sight-reading requirements for examinations in strings and in the remaining orchestral instruments consist of the reading of orchestral excerpts. The 110 examination in these subjects call for three excerpts which are to be selected by the candidate as well as three to be selected by the examiner. In the case of the 210 examination, four excerpts of advanced difficulty are to be selected each by candidate and examiner. The sight-reading requirement is dropped in the final examination (310).

SECONDARY PRACTICAL REQUIREMENT FOR THE DIPLOMA OF LICENTIATE IN MUSIC

This requirement is the same as that for the degree of Mus.B. in Performance. Please refer to page 2122.

ENSEMBLE REQUIREMENT FOR THE DIPLOMA OF LICENTIATE IN MUSIC

Either Choir or Orchestra is obligatory for all diploma candidates in each of the Licentiate years.

Two hours of additional ensemble work is required in each of these years. The courses will be selected from among those listed as part of the Mus.B. curriculum in Performance in the instrumental or vocal field of the candidate's choice. The selection is to be made in consultation with the departmental chairman or the Dean.

SPECIAL LANGUAGE REQUIREMENT FOR LICENTIATE STUDENTS QUALIFYING IN VOICE A & B

Candidates for the Licentiate in either Voice A or B must fulfil a special language requirement in two of the following: (a) French, (b) German, (c) Italian. These language requirements are to be satisfied by: (1) the high school leaving language requirement; (2) Language 101 to be taken in the second year.

VIVA VOCE

Candidates for the diploma of Licentiate in Music are required to take an oral examination in the final year. Questions will be asked concerning musical history, form, and general repertory. Candidates will also be questioned on the pieces performed by them in their final practical examination, and on the history and repertory of their particular instrument.

(NOTE: *For the Programme of Studies offered in the Junior Department of the Conservatorium, please refer to page 2166.*)

COURSES OF INSTRUCTION IN THE FACULTY AND IN THE SENIOR DEPARTMENT OF THE CONSERVATORIUM

DEPARTMENT OF THEORY

REGULAR COURSES

AURAL TRAINING 101. Solfege studies in both major and minor keys. A reading knowledge of all clefs. Rhythmic dictation in simple and compound metres. Melodic dictation of moderately difficult major or minor melodies with simple modulations. Intervals and elementary harmonic dictation.

3 hours.

Texts: Champagne, Solfège Pratique; Gedalge, L'enseignement de la musique, vols. 1-3; McHose and Tibbs, Sight-Singing Manual; Danhauser & Lemoine, Solfège des solfèges; Samuel, Quatre-vingt leçons mélodiques.

AURAL TRAINING 201. Solfeggii in all keys and with changing clefs. Transpositional drills involving clef substitution. More advanced melodic dictations with particular emphasis upon modulating melodies. Elementary two- and four-part dictation.

3 hours.

Texts: Gedalge, L'enseignement de la musique; vols. 4-10; Danhauser & Lemoine, Solfège des solfèges; Samuel, Quatre-vingt leçons mélodiques.

AURAL TRAINING 301. Difficult solfeggii involving remote modulations, chromaticism, and changing clefs. Readings from the literature including excerpts from Bach, Wagner, Hindemith, etc. Advanced melodic and harmonic dictations, the latter in chorale, fugal and other styles.

3 hours.

COMPOSITION 101. Construction of motive, phrase, and sentence preceded by analysis of melodic, rhythmic, and harmonic structures. Elementary composition in small forms.

1 hour.

COMPOSITION 201. Composition in the smaller homophonic forms such as ternary, minuet and trio, variation form. Also composition over a ground bass. These works are to be written for piano, organ, voice, or solo instrument with piano accompaniment, or for small instrumental combinations. Particular attention will be given to the influence of the medium upon the tonal materials, the patterns of accompaniment, and the texture.

1 hour.

COMPOSITION 301. Composition in the smaller homophonic forms such as the variation, suite, sonatina, and sonata-allegro form. Composition in such contrapuntal forms as the invention, passacaglia and chaconne. Also composition of figured chorale preludes and of accompanied motets. Various wood-wind combinations as well as chamber orchestra are now added to the list of media employed in the preceding course.

1 hour.

COMPOSITION 401. A continuation of Composition 301 stressing the larger cyclical homophonic forms such as the sonata and the suite. The media employed include the orchestra as well as the more intimate instrumental combinations.

1 hour; 1 hour listening period.

COMPOSITION 402. See **ELECTIVE COURSES.**

CONDUCTING 101. A basic course in orchestral repertoire, incorporating the study of baton techniques, placement of beats in simple and compound metres, score reading, instrumental ranges, and orchestral devices. Records and scores will constitute the materials for instruction. Qualified students will occasionally be permitted to conduct the senior orchestra during rehearsal periods.

1 hour.

COUNTERPOINT 201. Sixteenth century counterpoint (strict and free) in two, three and four parts.

1 hour.

Texts: Jeppesen, Counterpoint.

COUNTERPOINT 202. Free Counterpoint.

1 hour.

COUNTERPOINT 301. A continuation of Counterpoint 201. A large-scale mass movement or motet is to be submitted at the close of the session. Also double counterpoint and canon, and free counterpoint in the style of Bach (inventions, etc.)

1 hour.

Texts: Jeppesen, Counterpoint; Prout, Double Counterpoint and Canon.

COUNTERPOINT 302. Free Counterpoint.

1 hour.

COUNTERPOINT 401. Fugue.

1 hour.

HARMONY 101. An elementary course in written and keyboard harmony comprising a study of the following harmonic materials and techniques: triads and dominant seventh chords in all dispositions and inversions; principles of chord progression; part-writing drills; study of the conventional harmonic formulas and cadences; harmonic analysis; harmonization of melodies and unfigured basses in the Bach chorale style using triads, dominant seventh chords and elementary modulations; also the composition of phrases in chorale style.

3 hours.

Texts: McHose, Basic Principles in the Technique of 18th and 19th Century Composition; McHose and White, Keyboard and Dictation Manual.

HARMONY 201. A more advanced course in written and keyboard harmony comprising a study of the following harmonic materials and techniques: sequences and other conventional progressions; use of non-harmonic tones; secondary sevenths and altered chords; advanced part-writing problems; modulation to both related and remote keys; harmonization of melodies and unfigured basses in advanced chorale style of Bach; composition and keyboard improvisation of modulating melodies and basses; two parts in free contrapuntal style; figured chorale prelude style; thorough bass realization; harmonic analysis.

3 hours.

Texts: McHose, The Contrapuntal Harmonic Technique of the 18th Century; McHose and White, Keyboard and Dictation Manual; Bach, Organ Partitas; Bach, Little Organ Book.

HARMONY 301. A study of the harmonic materials and styles of the Viennese masters. Analysis of representative works will precede the harmonization or composition of short passages in different media based on the harmonic materials of these composers. Keyboard study will include the application of this vocabulary to the keyboard as well as specials drills in transposition, improvisation, modulation and reading from open score.

3 hours; 1 hour listening period.

Texts: Andrews, The Oxford Harmony; Schoenberg, Structural Functions of Harmony. Beethoven, Haydn, Mozart: Sonatas and Quartets, etc.

HARMONY 401. A study of the harmonic materials and styles of various groups of composers from Schubert to Debussy. Analysis of representative works will precede the composition of short pieces in different media based on the harmonic vocabularies of these masters.

2 hours; 1 hour listening period.

Texts: Andrews, The Oxford Harmony; Schoenberg, Structural Functions of Harmony. Brahms, Chopin, Debussy, Liszt, Schubert, Wagner: Selected works.

HISTORY 101. The history of the opera. An outline of the evolution of opera from 1600 to the present with musical and pictorial illustrations.

1 hour.

HISTORY 401, 402, 403. See ELECTIVE COURSES.

HISTORY AND ANALYSIS 101. Introduction to the history and literature of Western music with special emphasis upon the nature of musical materials and styles. One weekly period will be devoted to a study of analytical techniques (motivic, melodic, harmonic, and structural analysis).

4 hours.

Texts: Parrish and Ohl, Masterpieces of Music before 1750; Sachs, Our Musical Heritage; Boyden, An Introduction to Music.

HISTORY AND ANALYSIS 201. Music of the Classical and Romantic periods. A comparative study of selected masterworks of both periods aimed at a definition of the classical — romantic antithesis in terms of musical styles.

4 hours.

Text: Lang, Music in Western Civilization.

HISTORY AND ANALYSIS 301. Music of the Renaissance and Baroque periods. A study of the style and character of Renaissance and Baroque music considered both autonomously and in relation to the intellectual and aesthetic currents of these periods. The course will include detailed analyses of contrapuntal forms.

4 hours.

Texts: Apel and Davison, Historical Anthology of Music, vols. 1 and 2; Bukofzer, Music in the Baroque; Lang, Music in Western Civilization; Reese, Music in the Renaissance.

INSTRUMENTAL CLASS 101. Group instruction in wood-wind instruments. The student is required to choose one instrument for study. Solo performance of relevant parts from ensemble material of moderate difficulty. Knowledge concerning the wood-wind instruments.

INSTRUMENTAL CLASS 201. Group instruction in brass instruments. The student is required to choose one instrument for study. Solo performance of relevant parts from ensemble material of moderate difficulty. Knowledge concerning the brass instruments.

1 hour.

INSTRUMENTAL CLASS 301. Group instruction in stringed instruments. The student is required to choose one instrument for study. Solo performance of relevant parts from ensemble material of moderate difficulty. Knowledge concerning the stringed instruments.

1 hour.

LANGUAGE 101. A course serving to complete the special language requirement for voice students.

1 hour.

ORCHESTRATION 202. Study of the range of the various instrumental families, and scoring of simple compositions for each of these groups. Intended primarily for degree candidates in the field of School Music.

1 hour.

ORCHESTRATION 301. Study of the range and technical capacities of the various orchestral instruments. Scoring for selected instrumental combinations of such works as the Bach chorales, Mendelssohn's Songs Without Words, and Schumann's Scenes from Childhood.

1 hour.

ORCHESTRATION 302. A continuation of ORCHESTRATION 202. Scoring for different instrumental combinations of simple piano works such as Schubert's Moments Musicaux, Impromptus, etc.

1 hour.

ORCHESTRATION 401. A continuation of ORCHESTRATION 301 with special emphasis on instrumental colour. Full exploitation of the technical possibilities of the various instruments. Assignments will include the rescoring of masterworks for novel combinations.

1 hour.

VOCAL PHYSIOLOGY AND CHORAL TECHNIQUES. Study of the voice as a musical instrument. The relation of song to speech. Voice classifications and physiology of the voices of children, adolescents, and adults. Problems resulting from the improper function of the voice. Techniques of training choral groups at all levels. Problems pertaining to voice ranges, accuracy, quality, diction, interpretation, general organization, and repertory.

2 hours.

Text: Lawson, Full-Throated Ease.

FOURTH YEAR ELECTIVE COURSES

COMPOSITION 402. Radio composition and arranging. A course for composers designed to develop techniques of composing and arranging musical scores for radio, film, and television programmes. Admission only with consent of instructor.

1 hour.

HISTORY 401. Music of the mediaeval period. A survey of pre-Renaissance music from Gregorian chant to the music of Dunstable.

First term: 2 hours.

Texts: Apel and Davison, Historical Anthology of Music, vol. 1; Reese, Music in the Middle Ages.

HISTORY 402. Music of the twentieth century. A course devoted to: (a) a study of musical forms, textures, and idioms of the twentieth century; (b) an analysis of representative works by major composers of the past half century; (c) a discussion of critical writings pertaining to music of this period.

Second term: 2 hours.

Texts: Bauer, Twentieth Century Music; Salazar, Music in our Time.

HISTORY 403. Development of the orchestra from the seventeenth to the twentieth century. This course will be concerned with: (a) the recent history of orchestral instruments; (b) sociological aspects of orchestral organization and performance; (c) changing values in the art of orchestration; (d) the literature of the orchestra. Assignments will stress listening and aural analysis.

First term: 2 hours.

MUSICOLOGY 401. Introduction to Musicology.

PEDAGOGY 401. The pedagogy of stringed instruments. The physical nature and characteristics of these instruments. The study of basic principles and underlying instrumental instruction. The evolution of these instruments and the development of their individual repertoires. Traditional and contemporary methods of instruction.

1 hour.

PEDAGOGY 402. The pedagogy of the piano. Examination of existing piano teaching methods and materials. Elementary psychology as applied to piano teaching. Physiology: the muscular construction of the hand and the arm. The mechanism of the piano and its relation to touch and technique. The development of technique from the initial through all subsequent grades. Methods of teaching technique, interpretation, phrasing, pedalling, fingering, memorizing, practice routine, ear-training, sight-reading, demonstration lessons. The piano teacher's library. The business end of teaching.

1 hour.

PEDAGOGY 403. The pedagogy of the organ. Methods of teaching pure technique, registration, touch, interpretation. The execution of ornaments. The organist's repertoire. Service playing and accompaniment. Improvisation. Methods of programme building. Sight-reading and score reading. Elements of organ construction.

1 hour.

PEDAGOGY 404. The pedagogy of singing. Examination of various methods of voice production. Physiology of the voice — a detailed study of the function of the larynx in speech and singing. Registers of the voice and voice classification. Breath control and diction. Tone placement in speech. Suitable studies and songs for the different types of vocal student. A general knowledge of vocal repertoire: art songs, opera, and oratorio arias. Discussion of the teacher's personal approach to the student. Demonstration lessons.

1 hour.

COURSES IN THE INSTITUTE OF EDUCATION

SCRIPTURE. The historical and literary background of the Bible.

PHYSICAL EDUCATION. Indoor games, field sports, apparatus work, social and folk rhythms.

ACADEMIC. (continuation).

EDUCATION 1. The growth and Development of Children. A study of the general characteristics of physical, social and emotional development in children.

EDUCATION 3. Educational Psychology. Growth and development of children through adolescence. Psychology of learning. Individual differences. Growth and development of personality. Testing measurement. Mental hygiene and educational guidance.

EDUCATION 4. The History of Education in Western Society. The history of education in Europe and America including a comparative study of systems of public education in the countries of Western Europe, in the United States and in Canada.

EDUCATION 10. General Educational Practice.

(a) Curriculum organization, lesson planning, teaching media and methods, individualization of instruction, evaluation and testing, school law.

(b) Audio-visual methods and materials, projection operation, the use of films and filmstrips, radio, models and displays, field trips.

(c) Organization and preparation of teaching materials for one of the following: the Primary Department, the Elementary School, the Junior High School.

EDUCATION 12. Subject methods.

a Language Arts. Language, reading literature.
b " " Spelling, writing, childhood education.
d Health and Recreation.
f Science.
i Social Studies.
h Art.
g Music.

EDUCATION 20. Observation and Classroom Practice.

Practice teaching in areas listed under Education 12 with emphasis on music teaching.

ACADEMIC CONTINUATION COURSES

For Mus.B. candidates in **COMPOSITION:**

I. In English:

FIRST YEAR	English 100
SECOND YEAR	One of English 200 (Shakespeare) English 210 (XVII C) English 220 (XVIII C) English 230 (XIX C)
THIRD AND FOURTH YEAR	Two of English 218a (Sidney & Spenser) & 315b (XV & XVI C) English 330 (Drama since 1600) English 335 (The Novel) English 345 (Prose since Bacon) English 350 (Milton) English 380 (Utopias)

II. In Fine Arts:

SECOND YEAR	Fine Arts 201 (Introductory)
THIRD YEAR	Fine Arts 301 (Modern Art)
FOURTH YEAR	Fine Arts 401a (Renaissance) and 401b (History of Art)

III. In German:

FIRST YEAR	German 1
SECOND YEAR	German 2 (Language)
THIRD YEAR	One of German 5 (Language) German 7 (Language & Literature)
FOURTH YEAR	One of German 8 (XVIII C) German 9 (XIX C)

IV. In History, Political Science & Economics:

FIRST YEAR	One of Economics 100 (Economic History) History 100 (European Civilization)
SECOND YEAR	One of History 210 (Great Britain) History 215 (E. Europe from the V.C.) Political Science 211G (Comparative Government)
THIRD YEAR	One of History 325 History 326 Political Science 311
FOURTH YEAR	One of History 320 (Background of Contemporary Europe) History 410 (European Thought since the Renaissance)

V. In Latin:

FIRST YEAR	Latin 11 (Language)
SECOND YEAR	One of Latin 21 (Vergil) Latin 22 (Pliny)
THIRD YEAR	One of Latin 31 (Cicero, Livy, Ovid) Latin 32 (Vergil, Sallust)
FOURTH YEAR	One of Latin 41 Latin 42

VI. In Philosophy:

SECOND YEAR	Philosophy 1 (Introduction)
THIRD YEAR	Philosophy 2 (Ethics)
FOURTH YEAR	One of Philosophy 4 (Aesthetics) Philosophy 5 (Greek) Philosophy 6 (Modern) Philosophy 7 (Mediaeval & Renaissance)

VII. In French:

FIRST YEAR	One of French 11 French 12
SECOND YEAR	French 21 (Literature)
THIRD YEAR	One of French 31 (XVII C) French 32 (XVIII C)
FOURTH YEAR	One of French 43 (XIX & XX C) French 41 (Modern France) French 42 (XIX C)

VIII. In Spanish:

FIRST YEAR	Spanish 11 (Language)
SECOND YEAR	One of Spanish 21 (Language) Spanish 22 (Literature)
THIRD YEAR	One of Spanish 31 Spanish 32 Spanish 33 (Literature)
FOURTH YEAR	One of Spanish 41 Spanish 42 Spanish 43 (Literature)

IX. In Italian:

FIRST YEAR	Italian 11 (Language)
SECOND YEAR	Italian 21 (Language and Literature)
THIRD YEAR	One of Italian 25 Italian 31 (Literature)
FOURTH YEAR	Italian 41

N.B. In all cases, selection of courses will be governed by the stated prerequisites. See also Calendar of **FACULTY OF ARTS AND SCIENCE**, for additional information.

2. For Mus.B. candidates in **PERFORMANCE and SCHOOL MUSIC:**

1. In English:

SECOND YEAR	English 100
THIRD YEAR	One of English 200 (Shakespeare) English 210 (XVII C) English 220 (XVIII C) English 230 (XIX C)
FOURTH YEAR	One of English 318a (Sidney & Spenser) & 315b (XV & XVI C) English 330 (Drama since 1660) English 335 (The Novel) English 345 (Prose since Bacon) English 350 (Milton) English 380 (Utopias)

II. In Fine Arts:

SECOND YEAR	Fine Arts 201 (Introductory)
THIRD YEAR	Fine Arts 301 (Modern Art)
FOURTH YEAR	Fine Arts 401a (Renaissance) and 401b (History of Art)

III. In German:

SECOND YEAR	German 2 (Language)
THIRD YEAR	One of German 5 (Language) German 7 (Language & Literature)
FOURTH YEAR	One of German 8 (XVIII C) German 9 (XIX C)

IV. In History, Political Science & Economics:

SECOND YEAR	One of Economics 100 (Economic History) History 100 (European Civilization)
THIRD YEAR	One of History 210 (Great Britain) History 215 (E. Europe from the V.C.) Political Science 211G (Comparative Government)
FOURTH YEAR	One of Political Science 311 (Political Theory) History 320 (Background of Contemporary Europe) History 410 (European Thought since the Renaissance)

V. In Latin:

SECOND YEAR	Latin 11 (Language)
THIRD YEAR	One of Latin 21 (Vergil) Latin 22 (Pliny)
FOURTH YEAR	One of Latin 31 (Cicero, Livy, Ovid) Latin 32 (Vergil, Sallust)

VI. In Philosophy:

SECOND YEAR	Philosophy 1 (Introduction)
THIRD YEAR	Philosophy 2 (Ethics)
FOURTH YEAR	One of Philosophy 4 (Aesthetics) Philosophy 5 (Greek) Philosophy 6 (Modern) Philosophy 7 (Mediaeval & Renaissance)

VII. In French:

SECOND YEAR	One of French 11 French 12
THIRD YEAR	French 21 (Literature)
FOURTH YEAR	One of French 31 (XVII C) French 32 (XVIII C) French 41 (Modern France) French 42 (XIX C) French 43 (XIX & XX C)

VIII. In Spanish:

SECOND YEAR	Spanish 11 (Language)
THIRD YEAR	One of Spanish 21 (Language) Spanish 22 (Literature)
FOURTH YEAR	One of Spanish 31 Spanish 32 Spanish 33 (Literature) Spanish 41 Spanish 42 Spanish 43 (Literature)

IX. In Italian:

SECOND YEAR	Italian 11 (Language)
THIRD YEAR	Italian 21 (Language and Literature)
FOURTH YEAR	One of Italian 25 Italian 31 (Literature) Italian 41

N.B. In all cases, selection of courses will be governed by the stated prerequisites. See also Calendar of **FACULTY OF ARTS AND SCIENCE**, for additional information.

DEPARTMENT OF KEYBOARD AND VOCAL MUSIC

PRACTICAL COURSES

N.B. Practical courses in the Faculty and in the Senior Department of the Conservatorium are numbered according to the following plan.

	Degree Courses	Diploma Courses
First Year	*101*	*110 (Associate)*
Second Year	*201* *202 (Professional Instructor — Voice Only)*	*210 (First Licentiate)*
Third Year	*301* *302 (Professional Instructor)*	*310 (Second Licentiate)*
Fourth Year	*401* *402 (Professional Instructor)*	

Diploma courses may not be substituted for degree courses and vice-versa.

PIANO

The complete list of exercises and studies referred to in the subsequent piano courses is enumerated below. To conserve space these works will be referred to in the text by means of letter symbols rather than by their full title.

A-PD — Aronson, Pianist's Digest
B-E — Beringer, Exercises
C-GP — Clementi, Gradus ad Parnassum
Ch-Et — Chopin, Etudes
Cor-RPT — Cortot, Rational Principles of Piano Technique
Cr-ET — Cramer (Buelow), Etudes
Cz-AFD — Czerny, The Art of Finger Dexterity, Op. 740
P-PE — Pischna, Progressive Exercises

PIANO 101

Scales: All major, minor (melodic and harmonic), and chromatic scales at the distance of an octave, third, sixth, and tenth, through four octaves. These are studied in both similar and contrary motion, beginning with either the highest or the lowest note, legato and staccato, forte and piano. Also all major scales in double thirds and double octaves through two octaves in similar motion.

Arpeggios: Common chords as well as dominant and diminished seventh chords at the distance of an octave, third, sixth, and tenth, through four octaves. These are studied in both similar and contrary motion, beginning with either the highest or the lowest note, legato and staccato, forte and piano. Also all common chords in double octaves, beginning with either the highest or the lowest note.

Exercises and Studies: A-PD; C-GP (any one); Cor-RPT; Cr-Et (any one); Cz-AFD (any two); P-PE (Nos. 1-12).

Prepared Pieces: Candidates are required to submit the titles of four pieces which they will have studied during the year. The titles will be selected from the list given under Piano 110. Adequate mastery of the technical and musical problems occurring in these pieces must be demonstrated. A complete performance from memory is required in the case of only one piece to be selected by the candidate.

PIANO 110

Scales and Arpeggios: The same as for Piano 101.

Exercises and Studies: The same as for Piano 101.

Prepared Pieces: Candidates are required to perform one selection from each of the following four groups:

I.	Bach	English Suite in G Minor (Prelude or any two movements). Partita in B Flat Major (any two movements). The Well-Tempered Clavier (any Prelude and Fugue).
	Couperin	Ordres (Nos. 1-5: any two movements).
	Rameau	L'Egyptienne. Les Tendres plaintes. La Villageoise.
II.	Bach (W.F.) . .	Sonatas (any one).
	Bach (K.P.E.) .	Sonatas (any one).
	Beethoven . . .	Sonata Op. 2 No. 2 (first movement). Sonata Op. 2 No. 3 (first movement). Sonata Op. 27 No. 1 (first movement). Sonata Op. 31 No. 2 (last movement).
	Galuppi	Sonatas (any one).
	Haydn	Sonatas (first and second, or second and third movement of any late sonata).
	Mozart	Sonata in A Major, K. 331. Sonata in B Flat Major, K. 333 (first movement). Sonata in D Major, K. 576 (first movement).
III.	Brahms	Intermezzo Op. 117 No. 3. Intermezzo Op. 119 No. 2.

	Chopin	Mazurka Op. 17 No. 4. Mazurka Op. 24 No. 2. Mazurka Op. 30 No. 2. Mazurka Op. 33 No. 2. Mazurka Op. 33 No. 4.
	Chopin	Nocturne Op. 9 No. 1. Nocturne Op. 32 No. 1. Waltz Op. 34 No. 3. Waltz Op. 69 No. 1.
	Liszt	Valse oubliée No. 1.
	Mendelssohn . .	Songs without Words Op. 30 No. 5.
	Schubert	Moments musicaux Op. 94 (Nos. 1 and 6 or any of the remaining pieces in this opus group).
	Schumann . . .	Fantasy — Pieces Op. 12 (No. 1, or Nos. 3 and 4). Papillons (Introduction and any two). Scenes from Childhood (any three).
IV.	Bartok	Hungarian Peasant Songs (any three).
	Debussy	Preludes (Book 1: "Voiles"). Children's Corner ("The Snow is Dancing").
	Robert Fleming .	Sonatina.
	Granados . . .	Spanish Dances (any one).
	Scriabine . . .	Etude in C Sharp Minor.
	Shostakovitch . .	Three Fantastic Dances Op. 1.

PIANO 201

Scales: The same as for Piano 101. Also all minor and chromatic scales in double thirds and double octaves, through two octaves, in similar motion.

Arpeggios: The same as for Piano 101. Also all dominant and diminished seventh chords in double octaves, beginning with either the highest or the lowest note.

Exercises and Studies: A-PD; Cor-RPT. Any two etudes from: C-GP; Cr-Et; Cz-AFD; Ch-Et. Also P-PE (any ten from No. 13 to the end), or B-E (any ten). Note however that the study prepared for the previous examination may not be included. This rule applies as well to prepared pieces and is binding for all subsequent grades.

Prepared Pieces: Candidates are required to perform one selection from each of the four groups listed under PIANO 110.

PIANO 210

Scales and Arpeggios: The same as for Piano 201.

Exercises and Studies: A-PD; Cor-FPT; B-E (any ten). Any three etudes from Cr-Et; C-GP; Cz-AFD. Also P-PE (any ten from No. 13 to the end).

Prepared Pieces: Candidates must prepare and submit for approval a programme of five works comprising one representative work from each of the following periods:

I. Baroque — e.g.

Bach	Italian Concerto. Partitas Suites. The Well-Tempered Clavier (any prelude and fugue).
Couperin . . .	Ordres.
Handel	Suites.
Rameau	Ordres.
D. Scarlatti . .	Sonatas.

II. Classical — e.g.

Beethoven . . .	Concertos (first or last movement of any of the piano concertos with cadenza). Sonatas.
Haydn	Sonatas.
Mozart	Concertos (first or last movement of any of the piano concertos with cadenza). Sonatas.

III. Romantic — e.g.

Brahms	Ballades. Intermezzi. Rhapsodies.
Chopin	Ballade in A Flat Major. Berceuse. Etudes. Polonaises.
Liszt	Etudes ("Forest Murmur", "Un Sospiro"). Polonaise in E Major.
Mendelssohn . .	Rondo Capriccioso.

Schubert . . . . Impromptus (any two).
Sonata Op. 120.

Schumann . . . Carneval de Vienne.
Fantasiestücke.
Kreisleriana.
Novelettes.

IV. Impressionist — e.g.

Debussy . . . . Children's Corner.
Images.
Preludes.
Reflets dans l'eau.
Suite bergamasque.

Ravel . . . . . Jeux d'eau.
Sonatine.

V. Contemporary — e.g.

Works of: Bartok, Howard Fergusson, Hindemith, Milhaud, Poulenc, Shostakovitch, Villa-Lobos, etc.

PIANO 301

Scales and Arpeggios: The same as for Piano 201.

Exercises and Studies: B-E (any ten). Also any three from: C-GP; Cr-Et; Cz-AFD.

Prepared Pieces: The same as for Piano 210.

PIANO 302

Scales, Arpeggios, Exercises and Studies: The same as for Piano 301.

Prepared Pieces: Candidates must prepare a previously approved sonata programme consisting of one each of sonatas by Scarlatti, Mozart, Beethoven, and by one Romantic composer.

Pedagogy: Candidates are required to demonstrate their pedagogical skill in instructing a beginner in basic principles. In addition, candidates will be examined as to their knowledge of, and ability to demonstrate, underlying principles of fingering. Also application of these principles in the scales, arpeggios, exercises, studies and prepared pieces.

PIANO 310

Prepared Pieces: The performance, from memory, of a previously approved representative recital programme, also to be given in public. The examination also calls for the performance of one piano concerto (e.g. Bach, Mozart, Beethoven, Chopin, Schumann, Liszt, Grieg, Tschaikovsky, Brahms (D Minor), Rachmaninoff (C Minor).

PIANO 401

The same as Piano 310.

PIANO 402

Prepared Pieces: Candidates are to perform a previously approved programme of five works as in Piano 301 (210).

Pedagogy: Candidates must demonstrate their skill in analyzing technical and musical problems involved in teaching the following: hand- and arm-position, relaxation, principles of fingering, legato and staccato touch, pedalling, execution of ornaments, phrasing, differences of style according to historical period of composition, differences of teaching method.

ORGAN

ORGAN 101

Scales: All major, minor (melodic and harmonic), and chromatic scales played with varying degree of touch and speed:

(a) manuals only, hands together at octave, third, and sixth through three octaves;

(b) pedals only, through the full extent of the pedal board;

(c) manuals and pedals, the hands at the interval of an octave with the pedals.

Arpeggios: Common chords, major and minor, in the keys of C, D flat, D, E flat, E, and F;

(a) manuals only through three octaves;

(b) pedals only through two octaves;

(c) one hand and pedals combined in similar and contrary motion.

Prepared Pieces: [1] At the examination the candidate will be required to play the whole of either:

List A: Bach, Ein' Feste Burg (XVIII) [2], Willan, Prelude and Fugue in B Minor; Frank Bridge, Prelude;

or

List B: Bach, Aria in F (XII); Harold Darke, Prelude on a Theme by Tallis; Max Reger, Benedictus.

[1] At the examination questions will be asked concerning the registration of the prepared pieces. This applies as well to the examinations for subsequently listed organ courses.

[2] Bracketed Roman numerals in the present section (Organ) refer to volume numbers in the recommended Novello edition of Bach's organ works.

ORGAN 110

Scales and Arpeggios: The same as for Organ 101.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:
List A: Bach, Prelude and Fugue in A (III, p. 64); Harold Darke, Prelude on "St. Peter"; Hindemith, Sonata No. 2; *or*
List B: Bach, Christ ist erstanden (three verses) (XV); Schumann, No. 1 of four Sketches (ed. Biggs); Franck, Cantabile in B.

ORGAN 201

Scales: All major, minor (melodic and harmonic), and chromatic scales played with varying degrees of touch and speed: (a) and (b) as for Organ 101 but with increased proficiency, (c) manuals (both hands) and pedals at intervals of octave, third, and sixth in similar motion.

Arpeggios: Common chords in similar motion in all keys, manuals and pedals combined.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:
List A: Bach, Sonata No. 2 (IV); Brahms, Herzlich tut mich verlangen; Langlais, Française (Suite Française); *or*
List B: Bach, Valet will ich dir geben (XIX); Mendelssohn, Sonata No. 2; Arthur Egerton, An Easter Prelude.

ORGAN 210

Scales: All major, minor (melodic and harmonic), and chromatic scales played with varying degrees of touch and speed:
(a) manuals only in similar and contrary motion, beginning with either the highest or lowest notes, at intervals of an octave, third and sixth, — also double thirds in similar motion only;
(b) pedals only, single notes and octaves;
(c) manuals and pedals together, one note to each hand, and pedals at intervals of octave, third, and sixth, with all variations of similar and contrary motion.

Arpeggios: Common chords in similar and contrary motion in all keys, manuals and pedals combined.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:
List A: Bach, Toccata in F (IX, p. 176); Mendelssohn, Sonata No. 3; Franck, Pastorale; *or*
List B: Bach, Prelude and Fugue in B Minor (VII, p. 52); Howells, Sarabande for the Morning Star of Easter; Dupre, Fifteen Pieces for Organ (any three pieces).

ORGAN 301

Scales and Arpeggios: The same as for Organ 210.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:

—List A: Bach, "Dorian" Toccata and Fugue (X, p. 196); Mendelssohn, Allegretto from Sonata No. 4; Widor, Symphony No. 6 (first movement); *or*

—List B: Bach, Sonata No. 6 (V); S.S. Wesley, Choral Song and Fugue; Langlais, Suite Française (Nazard).

ORGAN 302

Scales and Arpeggios: The same as for Organ 210.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:

—List A: Bach, Fantasia in G (IX, p. 168); Rheinberger, Allegro non troppo from Sonata No. 5; Messiaen, Le Banquet céleste; *or*

—List B: Bach, Fugue in E Flat (XVI); Saint-Saens, Prelude in B; Langlais, Elevation (Hommage à Frescobaldi).

Pedagogy: The candidate will also be examined upon his knowledge of, and ability to demonstrate, the basic principles of fingering and pedalling, and their application in the scales, arpeggios, exercises, and pieces prepared. He will, in addition, be required to demonstrate his pedagogical skill in instructing a beginner in basic principles.

ORGAN 310

Prepared Pieces: The candidate will be required to present a public recital of one hour duration with selections from the ensuing list as well as additional items of the candidate's own choice.

Bach, Toccata, Adagio and Fugue (IX, p. 137); Bach, Variations on "Sei gegruesset, Jesu, gutig" (XIX); Bach, Concerto in A Minor (XI); Bach, Prelude and Fugue in D Major (XI); Mozart, Fantasia in F Minor; Liszt, Prelude and Fugue on BACH; Franck, Chorale No. 3; Dupre, Variations on a Noel; Willan, Introduction Passacaglia and Fugue; Hindemith, Sonata No. 1; Sowerby, Air with Variations; Jehan Alain, Litanies.

ORGAN 401

Prepared Pieces: The same as for Organ 310.

ORGAN 402

Prepared Pieces: At the examination the candidate will be required to play the whole of either:
—List A: Bach, An Wasserflussen Babylon (five part) (XVIII, p. 13); Elgar, Sonata in G (first movement); Jehan Alain, Le Jardin suspendu; *or*
—List B: Bach, Prelude in E Flat (XVI); Bairstow, Prelude on Vexilla Regis; Harold Darke, A Fantasy.

Pedagogy: The candidate must also demonstrate his skill in analyzing all technical and musical problems involved in teaching, such as bodily positions, principles of fingering and pedalling, varieties of touch, execution or ornaments, phrasing, registration, differences of style according to historical period of composition, differences of teaching methods. The candidate must also give a pedagogical demonstration of instruction with an advanced pupil (Organ 10-11). There will be an assessment of results with young student assigned to the candidate for regular teaching at the beginning of the year.

HARPSICHORD

HARPSICHORD 101

Introduction to figured bass playing. (Recommended text; R.O. Morris, Figured Harmony at the Keyboard.) More advanced study of the different keyboard schools and of ornaments. Special finger exercises for harpsichord touch and technique. Sample repertoire: Bach, Three-Part Inventions; Bach, French Suites; Blow, Ground; Rameau, Les tendres plaintes; Scarlatti, Study in G.

HARPSICHORD 201

Further study of figured bass. Continuo and sonata playing. Study of concertos for harpsichord. Sample repertoire: Bach, Concerto in F Minor; Bach, Preludes and Fugues; Bach, Suite in B Minor for Flute, Strings and Continuo; Handel, Sonatas for Violin and Harpsichord; Scarlatti, Sonatas.

VOICE

VOICE A 101. (Concert: Lied-Oratorio) Continuation and extension of technical exercises and studies listed under Voice 10 and 11 (Junior Department of the Conservatorium) as well as Randegger's Singing Primer. (Exercises on pages 38, 41, 48, 102, 104, 107, 161 selected according to voice.) Extension of repertoire of traditional German, French, English, and modern songs. Study of suitable parts from the oratorio and cantata literature. Examination requirements: 3 studies of a contrasting nature, 4 Songs (1 each of German, French, English, and modern songs). 1 excerpt each from Oratorio and Cantata.

VOICE B 101. (Opera) Thorough study of early Italian, French, and English opera. Opera buffa; opera seria.

VOICE A 110. The same as Voice A 101-201.

VOICE B 110. The same as Voice B 101-201.

VOICE A 201. Continuation and extension of Voice A 101.

VOICE B 201. Continuation and extension of Voice B 101. Also early German Opera; singspiel; light opera.

VOICE 202. The same as Voice B 101.

VOICE A 210. The same as Voice A 201-301.

VOICE B 210. The same as Voice B 201-301.

VOICE A 301. Candidates must prepare a previously approved programme of three groups, comprising examples from the oratorio and cantata literature, early Italian or French opera, German Lieder, French art-songs, contemporary songs.

VOICE B 301. Nineteenth century grand opera. Wagner, Verdi, Meyerbeer, Saint-Saens, Puccini, etc. Candidates must be prepared to participate in the stage-productions of the opera-school and must know at least one complete leading role and one complete minor role from among the works of any of the above-named composers.

VOICE 302. The requirements are the same as for Voice 301. In addition, the candidate will be examined as to his knowledge of, and ability to demonstrate, underlying technical principles and their application to the pieces prepared, and will have to show his pedagogical skill in instructing a beginner in basic principles.

VOICE A 310. The performance of a previously approved representative song-recital programme, also to be given in public. The examination also calls for a complete solo cantata, or a complete oratorio part, as well as a demonstration of the candidate's practical acquaintance with the general repertoire of the concert-singer.

VOICE B 310. The candidate must know three leading operatic roles from three different periods (e.g.: one Mozart, one Rossini; one Wagner, Verdi, or Puccini), as well as three minor operatic roles from the eighteenth or nineteenth century repertory.

VOICE A 401. The same as Voice A 310.

VOICE B 401. Same as Voice B 310.

VOICE 402. The candidate will have to perform a previously approved programme of songs, and excerpts from the cantata, oratorio, and opera literature. In addition, he will have to demonstrate his ability in analyzing all technical and musical problems involved in teaching: voice classification, voice production, tone placement, breath control, diction, phrasing, differences of style according to historical period and type of composition, differences of teaching methods (Italian, German, French schools). The candidate will also have to give a pedagogical demonstration of instruction with advanced pupil (Voice 10). There will be an assessment of results with young student assigned to candidate at beginning of the year. Also required: a practical knowledge of teaching materials as well as of the concert-singer's general repertoire, including operatic arias.

ENSEMBLE COURSES

(A) KEYBOARD:

PIANO ACCOMPANIMENT 101. Accompaniment of songs and arias by pre-classical, and romantic composers. In conjunction with regular singing classes.

1 hour.

PIANO ACCOMPANIMENT 201. Songs by Debussy, Franck, Mahler, Richard Strauss, Wolf, and contemporary composers. Analysis of differences between solo and accompaniment playing.

1 hour.

PIANO ENSEMBLE 101. The object of this course is to develop sight-reading and pianistic team-work, and to promote an acquaintance with original works for the medium, as well as with four-hand arrangements of the chamber music and symphonic literature. Works and arrangements of works by Beethoven (Septet, Symphonies — Vols. I and II), Clementi, Haydn, Mozart, Mendelssohn (Octet), Schubert, and Weber.

1 hour.

PIANO ENSEMBLE 201. Overtures of Wagner and Weber. Symphonies of Beethoven (Vols. IV-VIII), Haydn, Mendelssohn, Mozart, Schubert, and Schumann, as well as those of Bruckner, Franck, and Mahler. Symphonic poems of Richard Strauss. Original music for two pianos by Arensky, Chopin, Rachmaninoff, Reger, etc.

1 hour.

(B) OPERA:

ACTING 201. History of acting in opera. Stage terms. Stage deportment. Methods of interpretation through mime. Schools of expression. Analysis of different acting styles in opera. Practical work: grouping, miming, moving. Scene miming from standard operas.

1 hour.

REPERTORY COACHING 201. In conjunction with Voice B 201.

1 hour.

REPERTORY COACHING 301. In conjunction with Voice B 301.

1 hour.

REPERTORY COACHING 401. In conjunction with Voice B 401.

1 hour.

STAGING 301. History of mise en scène. Production elements of opera: music, libretto, singers, chorus, orchestra conductor, ballet, stage, prompter, building, lighting, scenery, costumes, props.

1 hour.

STAGING 401. The production of an opera from start to performance.

1 hour.

(C) CHORUS:

CHORAL CONDUCTING 301. A basic course in choral technique, choir psychology, and conducting methods. Special attention will be given to intonation, blend, tone, diction, and phrasing. Choral literature will be studied up to J. S. Bach, and students will conduct a Bach cantata.

1 hour.

CHORAL CONDUCTING 401. A course in conducting choral music of the Romantic and Contemporary schools. Score study and preparation. Students will have the opportunity of conducting the Conservatorium Choir.

1 hour.

CHURCH CHORAL MUSIC 301. A survey of religious choral music until 1700. The use of the hymn in worship. Organization and management of the church choir.

1 hour.

CHURCH CHORAL MUSIC 401. Religious choral music from 1700 to the present day. Available materials for church choirs will be studied and performed. The relationship of the choir director to the minister, the congregation, and the church will be discussed.

1 hour.

COLLEGIUM MUSICUM 101. A course in Renaissance vocal ensemble music including the English, Franco-Flemish, German, and Italian schools. Special attention will be given to styles and interpretation, and the international phonetic alphabet will be used for language diction.

2 hours.

COLLEGIUM MUSICUM 201. A continuation of Collegium Musicum 101, with emphasis on Baroque and contemporary ensemble music in which solo singing participation and instruction play an important part.

2 hours.

CONSERVATORIUM CHOIR. Detailed study and performance of choral literature selected from the great schools of choral composition. The programme provides a four-year comprehensive survey of choral music.

2 hours.

FOURTH YEAR ELECTIVE COURSES

ORGAN REPERTORY 401. This course is intended to supplement Organ 401 by giving Fourth Year organ students the opportunity to perform and discuss the masterworks of the Organ within a class group. The elements of style, form, registration, interpretation, programme-design, performer — and audience — psychology, and music-criticism will be examined.

1 hour.

PIANO REPERTORY 401. This course is intended to supplement Piano 401 by giving Fourth Year piano students the opportunity to perform and discuss the masterworks of the Piano, within a class group. The elements of style, form, interpretation, programme-design, performer — and audience — psychology, and music-criticism will be examined.

1 hour.

RADIO 401: RADIO PROGRAMMING, CONTINUITY WRITING, AND ANNOUNCING. Programming of musical, dramatic, and variety broadcasts. Elements involved; choice and arrangement of material. Continuity writing for musical, dramatic, variety, and miscellaneous programmes: formats, research, style. Announcing. Techniques of voice production. Vocabulary. Style. Reading. Functions of announcer. Sustaining programmes, commercials. The history of radio.

1 hour.

RADIO 402: RADIO MUSIC PRODUCTION AND STUDIO TECHNIQUES. The development of broadcasting. Acoustics in broadcasting; analysis of acoustical reports to determine studio characteristics. Studio equipment: microphones, control-board, disc-and tape-recorder. Production team: artist,

announcer, technician, producer. Studio techniques: solo recital, instrumental ensemble, studio orchestra, concert orchestra. Casting office. Auditioning procedures. Legal regulations in broadcasting. Attendance at live broadcasts and rehearsals.

1 hour.

DEPARTMENT OF ORCHESTRAL INSTRUMENTS

PRACTICAL COURSES

(N.B. For numbering plan of courses please refer to page 2138.)

VIOLIN

VIOLIN 101

Scales: All major and minor (melodic and harmonic) scales in thirds and sixths, one note to each bow, through two octaves. Also all scales through three octaves with four different bowings. Chromatic scales through two octaves, starting from G, B flat, and D.

Arpeggios: All major and minor chords through three octaves. Dominant seventh chords in all keys through three octaves.

Prepared Pieces: Candidates must perform any one etude from the works of each of the following composers: Dont, Fiorillo, Gavinies, Kreutzer, Rode, Rovelli.

VIOLIN 110

Scales and Arpeggios: The same as for Violin 101.

Prepared Pieces: The same as for Violin 101. Candidates must also perform one selection from each of the following groups:

I. Sonatas — Beethoven, Sonata in F Major, Op. 24; Beethoven, Sonata in G Major, Op. 30 No. 3.

II. Concertos (first or second and third movement with cadenzas) — Mendelssohn, Concerto in E Minor; Mozart, Concerto in D; Mozart, Concerto in A.

VIOLIN 201

Scales: All major and minor (melodic and harmonic) scales in thirds, sixths, octaves, and tenths, one note to each bow and two notes slurred, through two octaves. Chromatic scales through two octaves, beginning on any note.

Arpeggios: All major and minor chords through three octaves. In octaves and tenths through two octaves. Also dominant and diminished seventh chords in all keys through three octaves.

Prepared Pieces: Campagnoli, Divertissements (Nos. 2 and 6). Dont, Studies Op. 37 (any one of the last three); Paganini, Caprices Op. 1 (Nos. 13 and 24); Wieniawski, L'Ecole Moderne Op. 10 (Nos. 1 and 3).

VIOLIN 210

Scales and Arpeggios: The same as for Violin 201.

Prepared Pieces: The same as for Violin 201. Candidates must also perform one selection from each of the following groups:

I. Sonatas — Brahms, Sonata in A Major; Dohnanyi, Sonata.

II. Concertos — Bruch, Concerto in G Minor; Lalo, Symphonie Espagnole (first, fourth, and fifth movements).

VIOLIN 301

Prepared Pieces: The performance of a previously approved sonata recital programme of approximately one hour duration, consisting of classical, romantic and contemporary works. After the examination a public recital may be required. Suggested works: any of the Mozart, Beethoven, or Brahms sonatas, as well as those by Dohnanyi, Franck, Debussy, Ravel, Faure, Prokofieff, Copland or a Canadian composer.

VIOLIN 302

Scales and Arpeggios: Knowledge and demonstration of underlying technical principles involved in the performance of all scales and arpeggios of previous grades using at least three different bow groupings.

Prepared Pieces: Knowledge and demonstration of underlying technical principles involved in the performance of the following studies: Campagnoli, Divertissement (Nos. 2 and 6); Dont, Studies Op. 37 (any two of the last six); Paganini, Caprices Op. 1 (Nos. 13, 17 and 24); Wieniawski, L'Ecole Moderne Op. 10 (Nos. 1, 3, and 5).

Pedagogy: A pedagogical demonstration with young student is required.

VIOLIN 310

Prepared Pieces: The performance from memory of a previously approved recital programme lasting one hour. After examination a public recital is required. The order of the programme should be as follows:

(1) Unaccompanied suite — e.g. any one of the Bach suites or sonatas for unaccompanied violin.

(2) Concerto — e.g. any one of the Mozart, Beethoven, Brahms, Saint-Saens (B Minor), Bruch (G Minor or D Major), Glazounov, Prokofieff (Op. 19 No. 1), Elgar, or Walton concerti; also Lalo's Symphonie espagnole.

(3) Group of pieces — e.g. Bloch, "Baal Shem" Suite; Nin, Suite espagnole; Szymanowski, La Fontaine d'Arethuse.

Any contemporary works of a similar nature may be presented, including a work by a Canadian composer (unaccompanied suite, concerto, or group of pieces).

VIOLIN 401

The same as Violin 310.

VIOLIN 402

Prepared Pieces: The requirements are the same as those for Violin 301.

Pedagogy: The candidate will have to give a pedagogical demonstration of instruction with advanced pupil (Violin 10-11). There will be an assessment of results with young student assigned to candidate for teaching at the beginning of the year. The candidate will, in addition, be required to demonstrate his skill in analyzing technical and musical problems involved in teaching, e.g. bowing, fingering, detached and slurred playing, varieties of tone, vibrato, execution of ornaments, phrasing and differences of style according to historical period of composition, differences of teaching methods.

VIOLA

VIOLA 101

Scales: All major and minor (melodic and harmonic) scales in thirds and sixths, one note to each bow, through two octaves. Also all scales through three octaves with four different bowings. Chromatic scales through two octaves, starting from G, B flat, and D.

Arpeggios: All major and minor chords through three octaves. Dominant seventh chords in all keys through three octaves.

Prepared Pieces: Candidates must perform any one etude from the works of each of the following composers: Dont, Fiorillo, Kreutzer, Rode, and Rovelli.

VIOLA 110

Scales and Arpeggios: The same as for Viola 101.

Prepared Pieces: The same as for Viola 101. Candidates must also perform one selection from each of the following groups:

I. Sonatas — Handel, Sonata in C Major; Vivaldi, Sonata in G Minor.

II. Concertos — Stamitz, Concerto in D; Telemann, Concerto in G.

VIOLA 201

Scales: All major and minor (melodic and harmonic) scales in thirds, sixths, and octaves, one note to each bow and two notes slurred, through two octaves. Chromatic scales, through two octaves, beginning on any note.

Arpeggios: All major and minor chords through three octaves. In octaves through two octaves. Dominant and diminished seventh chords in all keys through three octaves.

Prepared Pieces: Any two studies from the books of Campagnoli, Gavinies, Paganini.

VIOLA 210

Scales and Arpeggios: The same as for Viola 201.

Prepared Pieces: The same as for Viola 201. Candidates must also perform one selection from each of the following groups:

I. Sonatas — Boccherini, Sonata in G; Schubert, Arpeggione Sonata.

II. Suite or Concerto — J. Chr. Bach, Concerto; Handel, Concerto; Tchemberdchy, Suite; Vaughan Williams, Suites (any one of three).

VIOLA 301

Prepared Pieces: The performance of a previously approved sonata recital programme of approximately one hour duration, consisting of classical, romantic, and contemporary works. After the examination a public recital may be required. Suggested works: Bach, Gamba Sonatas; Brahms, Sonata in E flat; Brahms, Sonata in F minor; Honegger, Sonata; Marcello, Sonata in F; Milhaud, Sonata No. 1; Vitali, Chaconne.

VIOLA 302

Scales and Arpeggios: Knowledge and demonstration of underlying technical principles involved in the performance of all scales and arpeggios of previous grade using at least three different bow groupings.

Prepared Pieces: Knowledge and demonstration of underlying technical principles involved in the performance of three studies from each of the following: Campagnoli, Gavinies, Paganini.

Pedagogy: A pedagogical demonstration with young student is required.

VIOLA 310

Prepared Pieces: The performance from memory of a previously approved recital programme lasting one hour. After examination, a public recital is required. The order of the programme should be as follows:

(1) Unaccompanied Suite — e.g. any one of the sonatas of Bach or Hindemith.

(2) Concerto — e.g. any one of the concertos by Bartok, Serly, or Tansman.

(3) Group of pieces — e.g. Beethoven, Variations Op. 66; Bloch, Suite; Schumann, Maerchenbilder; Stravinsky, Elegy; Weber, Andante and Rondo Hongroise.

VIOLA 401

The same as Viola 310.

VIOLA 402

Prepared Pieces: The requirements are the same as those for Viola 301.

Pedagogy: The candidate will have to give a pedagogical demonstration of instruction with advanced pupil (Viola 10-11). There will be an assessment of results with young student assigned to candidate for regular teaching at the beginning of the year. The candidate will also have to demonstrate his skill in analyzing all technical and musical problems involved in teaching e.g. bowing, fingering, detached and slurred playing, varieties of tone, vibrato, execution of ornaments, phrasing, differences of style according to historical period of composition, differences of teaching methods.

CELLO

CELLO 101

Scales: All major, minor (melodic and harmonic), and chromatic scales through four octaves. Detached and slurred.

Arpeggios: All major and minor chords, through three octaves, slurred and detached.

Prepared Pieces: Candidates must perform any two studies from each of the following books of studies: Duport, Franchomme, Gruetzmacher.

CELLO 110

Scales and Arpeggios: The same as for Cello 101.

Prepared Pieces: The same as for Cello 101. Candidates will also have to perform: Bach, Accompanied Gamba Sonata; Saint-Saens, Concerto.

CELLO 201

Scales: All major, minor (melodic and harmonic), and chromatic scales through four octaves, with four different bowings.

Arpeggios: All major and minor chords through three octaves with four different bowings.

Prepared Pieces: Six difficult excerpts from the classical and romantic chamber music repertory, e.g. Mozart, Divertimento (String Trio) in E flat; Schubert, Piano Trio in B Flat, etc.

CELLO 210

Scales and Arpeggios: The same as for Cello 201.

Prepared Pieces: The same as for Cello 201. Candidates will also have to perform a sonata by Beethoven or Brahms, or the Concerto of Lalo.

CELLO 301

Prepared Pieces: The performance of a previously approved sonata recital programme of approximately one hour duration consisting of classical, romantic, and contemporary works. After the examination, a public recital may be required. Suggested works: Bach, any of the accompanied gamba sonatas; Beethoven: any of the sonatas or variations; Brahms, either of the two sonatas; a sonata by Kodaly, Prokofieff, Shostakovitch, (accompanied).

CELLO 302

Scales and Arpeggios: Knowledge and demonstration of underlying technical principles involved in the performance of all scales and arpeggios of previous grades, as well as three-octave scales in thirds and sixths.

Prepared Pieces: Knowledge and demonstration of underlying technical principles involved in any two works selected from each of the following books of studies: Hugo Becker, Duport, Franchomme, Gruetzmacher, Popper (High School of Cello Playing).

Pedagogy: A pedagogical demonstration with young student is required.

CELLO 310

Prepared Pieces: Three studies from each of the following: Hugo Becker, Popper. In addition, the candidate will have to perform a previously approved recital programme of approximately one hour duration. Suggested works:

(1) Any of the unaccompanied Bach suites.

(2) Any of the following concertos: Boccherini, Dvorak, Haydn, Lalo, Saint-Saens, Schumann.

(3) Bloch, Pieces from Jewish Life; Cassado, Suite; Nin, Suite; Popper: selected group of pieces.

A public recital is also required.

CELLO 401

The same as Cello 310.

CELLO 402

Prepared Pieces: The requirements are the same as for Cello 301.

Pedagogy: The candidate will have to give a pedagogical demonstration of instruction with advanced pupil (Cello 11). There will be an assessment of results with young student assigned to candidate for regular teaching at the beginning of the year. The candidate will also have to demonstrate his skill in analyzing all technical and musical problems involved in teaching, e.g. bowing, fingering, detached and slurred playing, varieties of tone, vibrato, execution of ornaments, phrasing, differences of style according to historical period of composition, differences of teaching methods.

DOUBLE BASS

DOUBLE BASS 101

Progressive bow- and finger-technique exercises. Bach, Arioso; Eccles, Sonata; Fauré, Après un rêve. Schubert, Octet and "Trout" Quintet.

DOUBLE BASS 201

Dragonetti, Concerto. The study of orchestral parts from: Mozart, Magic Flute and Marriage of Figaro; Mozart, Symphony No. 39; Weber, Overtures to Euryanthe and Oberon; R. Strauss, Till Eulenspiegel.

DOUBLE BASS 301

Koussevitzky, Concerto; Nanny, Caprice No. 1. Prokofieff, Quintet. R. Strauss, Death and Transfiguration.

DOUBLE BASS 401

Simandl, Gradus ad Parnassum (Twenty-Four Studies). Mozart, Per questa bella mano-Obbligato for Double Bass and Voice; R. Strauss, Don Juan; Stravinsky, Pulcinella. Orchestral excerpts: Bach, Suite in B Minor; Bruckner, Symphonies; Wagner, excerpts.

FLUTE

FLUTE 101

Anderson, Etudes Op. 15 and 33; Barrere, The Flutist's Formulae; Boehm, 24 Caprices Op. 26; Moyse, Scales and Arpeggios. Chamber Music of the 17th and 18th century; sonatas by Bach; concertos by Gluck, Gretry and Haydn. Easier contemporary pieces.

FLUTE 201

Andersen, Etudes Op. 30 and 63; Hughes, 24 Studies; Moyse, Technical Studies and Exercises. Bach, Suite in B Minor and Brandenburg Concerto No. 5; concertos by Mozart; quartets and trios by Mozart and Beethoven. Debussy, Syrinx; Fauré, Fantasia; Ibert, Piece for Solo Flute; and similar pieces.

FLUTE 301

Andersen, Virtuoso Studies Op. 60; Kohler, 8 Exercises Op. 33 Book 111; Moyse, Daily Exercises; Taffanel-Gaubert, Grandes Etudes de Virtuosité. Paris Conservatory Pieces. Schubert, Variations. Study of orchestral solo passages.

FLUTE 401

Andersen, Virtuoso Studies Op. 60; Moyse, 48 Studies of Virtuosity. Ibert, Concerto. Modern flute solos. Study of orchestral solo passages.

FLUTE 110, 210, 310

The contents of these courses will consist of the material of Flute 101, 201, 301 and 401 condensed into three years instead of four.

OBOE (English Horn)

OBOE (ENGLISH HORN) 101

Brod, Six Advanced Sonatas; Ferling, Forty-Eight Studies; Haendel, Sonata in G minor.

OBOE (ENGLISH HORN) 201

Andraud, Vade-Mecum, and other studies. Haendel, Concerto in G Minor; Telemann, Sonata in A Minor. Orchestral repertoire.

OBOE (ENGLISH HORN) 301

G. Gillete, Advanced Studies. Mozart, Concerto in C Major, and Quartet for Oboe and Strings. Orchestral repertoire continued.

OBOE (ENGLISH HORN) 401

Eugene Bozza, Studies; Hugo-Bruyany, Studies; R. Lamorlette, Twelve Studies. Beethoven, Quintet; Gordon Jacob, Concerto; Mozart, Quintet; Vaughan-Williams, Concerto. Orchestral repertoire continued.

OBOE (ENGLISH HORN) 110, 210, 310

The contents of these courses will consist of the material of Oboe 101, 201, 301, and 401 condensed into three years instead of four.

CLARINET

CLARINET 101

All major, minor (melodic and harmonic) and chromatic scales and all arpeggios (common chords, dominant and diminished seventh chords) to be played tongued or slurred and phrased (grouped). Transposition

of a given passage one tone up, and a half tone down. P. Mimart, Studies for Clarinet; A. Perrier, Recueil de sonates pour l'étude du style classique (Books I, II, III). Messager, Solo de Concours; H. Rabaud, Solo de Concours; Weber, Concertos 1 and 2. McGinnis, Orchestral Excerpts, Volumes I and II.

CLARINET 201

Scales and arpeggios as in Clarinet 101. Transposition of a given passage one tone up or down. Carl Baermann, Method (Books 3, 4, and 5); V. Blancon, 40 Etudes; Paul Jeanjean, 16 Etudes; A. Perrier, 20 Studies of Virtuosity. Beethoven, Trio for Clarinet, Cello and Piano; Brahms, Sonatas 1 and 2; P. Gaubert, Fantaisie pour clarinette et piano; Mozart, Trio for Clarinet, Viola and Piano. McGinnis, Orchestral Excerpts, Volumes I and II.

CLARINET 301

E. Bozza, 14 Etudes de mécanisme; A. D. Elia, 12 Studies; A. Perrier, 22 Etudes modernes. Brahms, Trios for Clarinet; Debussy, Rapsodie pour clarinette et orchestre; Louis Spohr, concertos; Robert Stark, concertos; C. M. Widor, Introduction and Rondo. Also orchestral repertoire.

CLARINET 401

Transposition of a given passage a minor third up or down. Improvisation of a cadenza. N. Delecluse, Studies on Orchestral Passages; Paul Jeanjean, 18 Etudes. Mozart, Quintet for Clarinet and Strings; also quintets of Arthur Bliss, Brahms, Gordon Jacob. Clarinet concertos by Mozart, Busoni, C. Nielsen, Darius Milhaud, Aaron Copland, Nicola Berezovsky.

CLARINET 110, 210, 310

The contents of these courses will consist of the material of Clarinet 101, 201, 301, 401, condensed into three years instead of four.

SAXOPHONE

SAXOPHONE 101

Labanchi-Iasilli, Books I and II; Terschak, Daily Exercises. Transpositions. Advanced solos.

SAXOPHONE 201

Ferling, 60 Etudes; Soussman, Etudes (Vol. II). Bozza, Concertino, Suite (Scaramouche, Aria, Pulcinella); Preliminary exercises for top notes.

SAXOPHONE 301

Boehm-Terschak, 53 Etudes. P. M. Dubois, Concertstueck; Glazounov, Concerto; H. Tomasi, Ballade.

SAXOPHONE 401

Advanced scales and exercises for top notes. E. Bozza, 12 Caprices; Ibert, Concertino da camera.

SAXOPHONE 110, 210, 310

The contents of these courses will consist of the material of Saxophone 101, 201, 301, and 401 condensed into three years instead of four.

BASSOON

BASSOON 101

Review of previous grades. E. Jancourt, 26 Melodic Studies. Hindemith, Sonata. Orchestral studies.

BASSOON 201

Gambaro, 18 Studies; Giampieri, 16 Daily Studies; Milde, Concert-Studies (Book 1). Concerti by Vivaldi and Mozart. Orchestral studies.

BASSOON 301

Dherin-Pierné, New Technique of the Bassoon; Milde, Concert-Studies (Book II); A. Orefici, Bravura Studies. L. Grondahl, Concerto; Gordon Jacob, Concerto (1947); Weber, Concerto. Orchestral studies.

BASSOON 401

Bertoni, 12 Modern Studies; Marcel Bitsch, Twenty Studies; Bozza, 15 Daily Studies; Piard, 16 Characteristic Studies. Bozza, Fantaisie. Orchestral repertoire.

BASSOON 110, 210, 310

The contents of these courses will consist of the material of Bassoon 101, 201, 301, and 401 condensed into three years instead of four.

TRUMPET

TRUMPET 101

All major and minor scales and arpeggios, to be played slurred, single, double and triple tongued. Sachse, Etudes for Trumpet (No. 12 with transpositions to C, D, E flat, E and F); St. Jacome, Method for Trumpet (No. 8, Artistic Study). Haydn, Concerto for Trumpet.

TRUMPET 201

All major and minor scales and arpeggios to be played slurred, single, double and triple tongued. Charlier, Articulation Exercises (Nos. 3, 5, and 23); Sachse, Etudes for Trumpet (Nos. 1-30, with transpositions to include A, C, D and E flat). Orchestral excerpts for trumpet: Volumes I and II of Wagner's Works; (Breitkopf) Volume I of Strauss's Works (Peters).

TRUMPET 301

Sachse: Etudes for Trumpet (Nos. 1-60, with transpositions to include A, A flat, B, C, D, E flat, E and F). Georges DeLarue, Concertino; Georges Enesco, Legende. Orchestral Excerpts: Same as Trumpet 201; also Volumes I, II, and III of Orchestral Studies of Classical and Modern Works (Bartoldi, ed.)

TRUMPET 401

Sachse, Etudes for Trumpet (Nos. 1-100, with transpositions to C, D flat, D, E flat, E, F, G, A flat, A, B). Obbligato playing. Marcel Bitsch, Quatre Variations Sur Un Thème de Domenico Scarlatti; E. Bozza, Concertino; Jacques Ibert, Impromptu; Saint-Saens, Fantaisie en mi bémol. Orchestral Excerpts; same as Trumpet 301; also Volumes IV and V of Orchestral Studies of Classical and Modern Works (Bartoldi ed.)

TRUMPET 110, 210, 310

The contents of these courses will consist of the material of Trumpet 101, 201, 301, and 401 condensed into three years instead of four.

FRENCH HORN

FRENCH HORN 101

All major, minor and chromatic scales, all arpeggios, each through one octave range. Studies in two clefs.

FRENCH HORN 201

Extension of range in all scales and arpeggios. Diminished seventh chords. Double tonguing, preparatory exercises in trills, use of mute, ability to read in four clefs. Dubois, Cavatina; Franz Strauss, Concerto. Simple orchestral excerpts.

FRENCH HORN 301

Major and minor scales in thirds; arpeggios, dominant and diminished seventh chords and their resolutions. Slurred and staccato, over a range of two octaves. Use of lip trill. Double and triple tonguing in chromatic and diatonic intervals. Mozart concertos. Further studies of orchestral repertory.

FRENCH HORN 401

All transpositions. Standard orchestral and sole repertoire. Dukas, Villanelle; Mozart and Haydn concertos; Mozart, Concert Rondo.

FRENCH HORN 110, 210, 310

The contents of these courses will consist of the material of French Horn 101, 201, 301, and 401 condensed into three years instead of four.

TROMBONE (Tuba)

TROMBONE (TUBA) 101

Lip slurs in all positions. All forms of tonguing. Introduction of alternate positions. Scales and arpeggios (tonic, dominant and diminished seventh chords). Kopprasch, Book 1.

TROMBONE (TUBA) 201

Special emphasis on tone, attack, lip slur. Introduction of tenor and alto clefs. Scales and arpeggios. Blume, Books I and II; Rochut, Book I.

TROMBONE (TUBA) 301

Blasewitsch, 26 Sequences (Rhythm and Clefs); Blume (Book III); Kopprasch (Book II); Rochut (Book II). Pieces and orchestral repertory of easy and medium difficulty.

TROMBONE (TUBA) 401

Advanced methods. Rochut (Book III). Brass Ensemble. Orchestral repertoire.

TROMBONE (TUBA) 110, 210, 310

The contents of these courses will consist of the material of Trombone (Tuba) 101, 201, 301, and 401 condensed into three years instead of four.

PERCUSSION

PERCUSSION 101

Snare drum: Completion of Podemski's Snare Drum Method. Mallets (all phonetic instruments which are struck): Completion of W. Dorn Method, and one solo piece. Timpani: Goodman Method (Section II, up to No. 40) and one solo piece.

PERCUSSION 201

Snare drum: Wilcoxon, All American Drummer (selected exercises).

Study of Bass Drum and Cymbal. Technique of all small instruments such as castagnettes, tambour de basque, etc. Mallets: Goldenberg, Selected Exercises. Orchestral repertoire and one solo piece. Timpani: completion of Goodman Method. Tscherepnine: Sonata, and another repertory piece.

PERCUSSION 301

Snare drum and percussion instruments: orchestral repertory. Mallets: Goldenberg Method; studies and repertory. Bach, Concerto in A (two movements). Sight-Reading. Timpani: Goodman Method (Part III). Orchestral repertory including symphonies by Mozart, Beethoven, Mendelssohn, and Brahms; also R. Strauss, Don Juan.

PERCUSSION 401

Snare drum and percussion instruments: general repertory. Mallets: Goldenberg: all repertory and one solo piece. Timpani: general repertory. Special tuning exercises. Striegler, Concerto.

PERCUSSION 110, 210, 310

The contents of these courses will consist of the material of Percussion 101, 201, 301, and 401, condensed into three years instead of four.

HARP

HARP 101

Studies: Bochsa, Cinquante Etudes, Book I (any two).

Prepared Pieces: One obligatory, and two further selections from the following list: Bach-Grandjany, Allemande (No. 2 from Transcriptions Classiques); Bach-Grandjany, Rondo (No. 3 from Six Pieces Classiques); Couperin-Renie, Tic Tac Toc; Damase, Concertino; Grandjany, Colorado-Trail; Handel-Grandjany, Concerto in B Flat; Haydn-Renie, L'Egyptienne; Salzedo, Variations dans le style ancien; Sammartini-Grandjany, Allegretto (No. 4 from Transcriptions Classiques); Tournier, Theme and Variations; Widor, Chorale and Variations; Zabel, La Source.

N.B. Obligatory selection: choice of Damase, Handel-Grandjany, or Widor in above list.

HARP 201

Studies: Bochsa, Cinquante Etudes, Book II (any two). Orchestral repertoire.

Prepared Pieces: One obligatory, and two further selections from the following list: Bach-Renie, Bourree (from Les Classiques de la Harpe, 3eme recueil); Couperin-Grandjany, La Compère (No. 3 from Transcriptions Classiques); Debussy, Clair de Lune; Grandjany, Rhapsodie; Grandjany, Dans la forêt du charme et de l'enchantement; Ravel, Introduction and Allegro; Renie, Allegro from the Concerto in C minor; Tournier, Sonatine, Op. 30; Tournier, Vers la source dans le bois; Pierre, Concertstueck; Prokofieff, Prelude; Salzedo, La Desirade.

N.B. Obligatory selection: choice of Ravel, Renie, or Pierre in above list.

HARP 301

Studies: Dizi, 48 Etudes (any two). Orchestral repertoire.

Prepared Pieces: One obligatory, and two further selections from the following list: Debussy, Danse Sacrée et Danse Profane; de la Presle, Le Jardin Mouillé; Fauré, Impromptu; Francisque-Grandjany, Pavane et Branle; Galeotti, Fantaisie; Gallon, Fantaisie; Handel-Grandjany, Toccata; Salzedo, Chanson dans la Nuit; Tournier, Les Anesses Grises (from 'Images', 3eme Suite); Roger-Ducasse, Barcarolle; Mozart, Concerto for harp and flute.

N.B. Obligatory selection: choice of Debussy, Faure, or Mozart in above list.

HARP 401

Prepared Pieces: Four obligatory selections plus any two other pieces from the following list: Bach-Renie, 10 Preludes and 10 Pieces; Caplet, Divertissement, 1. A La Française, 2. A L'Espagnole; Grandjany, Children's Hour; John Bull-Grandjany, The King's Hunt; Liszt-Renie, Le Rossignol; Renie, Legende 'Les Elfes'; Respighi-Grandjany, Siciliana; Tournier, Danse du Moujik (from 'Images', 4eme Suite); Tournier, Jazz Band; de Falla-Grandjany, Danse Espagnole, from "La Vida Breve"; Tailleferre, Concertino; Hindemith, Sonata; Orchestral repertoire.

N.B. Obligatory selections: any two of Bach-Renie, plus any two chosen from Grandjany, Tailleferre, or Hindemith in above list.

HARP 110, 210, 310

The contents of these courses will consist of the material in Harp 101, 201, 301, 401, condensed into three years instead of four.

ENSEMBLE COURSES

CHAMBER MUSIC 101. Easy duos and trios.

2 hours.

CHAMBER MUSIC 201. Duos and trios of medium difficulty.

2 hours.

CHAMBER MUSIC 301. More difficult trios. Woodwind, brass, and string quartets.

2 hours.

CHAMBER MUSIC 401. Advanced study of quartets and larger groups such as septets, octets, and nonets.

2 hours.

COLLEGIUM MUSICUM 110. A continuation of Collegium Musicum 11. (Please see page 2196.) This course may be applied as credit in the Licentiate programme, or in the First or Second years of the Mus.B. programme in performance.

CONSERVATORIUM ORCHESTRA. Rehearsal and performance of suitable orchestral literature selected from the standard repertory.

2 hours.

THE JUNIOR DEPARTMENT OF THE McGILL CONSERVATORIUM OF MUSIC

GENERAL STATEMENT

The Junior Department of the McGill Conservatorium of Music offers preparatory instruction in all instruments and voice, as well as in the theory of music. Theoretical classes, although not obligatory, are nevertheless recommended as an important aid to intelligent and artistic performance. The various subjects differ as to the number of years of preparatory study required. Detailed information is provided in the table on pages 2167-8. Candidates who have succeeded in passing the annual examinations in practical and theoretical subjects are awarded certificates at their respective grade levels.

Students of the Junior Department of the Conservatorium may, with special permission of the Department chairman, participate in certain ensemble courses of the Senior Department, or of the Faculty of Music.

Instruction in certain practical subjects is available during the summer months. Requests for information should be directed to the Secretary of the Conservatorium.

LOCAL CENTRES

In addition to its function as an institution offering courses of musical instruction, the McGill Conservatorium exists as an examining body holding annual examinations in both practical and theoretical subjects at various local centres throughout the Dominion. (The complete list of Local Centres will be found on pages 2197-8). These examinations make it possible for those taking private practical or theoretical instruction, whether in Montreal or in other localities throughout the Dominion, to obtain, free of residence requirements, the grade certificates issued by the Junior Department as well as the diploma of Associate in Music issued by the Senior Department of the Conservatorium (Please refer to pages 2111 and 2126-7). Examinations will be arranged by the Secretary when required and new centres formed upon request. Theoretical examinations at each centre are conducted under the supervision of a local representative of McGill University. All papers will be sent to McGill University itself. Practical examinations are conducted by visiting examiners. Every certificate gained by candidates in any of the public examinations will bear the imprimatur of McGill University.

STUDY COURSES

The Junior Department of the McGill Conservatorium of Music also offers instruction to those who, while not interested in obtaining either grade certificates or diplomas, wish to study practical or theoretical subjects for their cultural or professional value.

ADMISSIONS — AUDITIONS

All applications for admission to the Junior Department of the McGill Conservatorium of Music must be directed to the Secretary of the Faculty of Music, McGill University, Montreal, Que. (Tel.: VIctor 9-9181, Local 482.)

All students in the Junior Department are registered as Partials.

Applicants who have had private or other music study elsewhere must arrange for an audition in their practical subject as well as for a theory placement test.

EXAMINATIONS

Sessional Examinations

Final sessional examinations in all theoretical subjects are held in late April and early May. Examinations in all practical subjects take place during the first three weeks of May.

Deferred Examinations

Deferred practical examinations are permitted only in case of illness or other exceptional circumstances. A written request for the deferment of examination must be submitted to the Dean.

Supplemental Examinations

Students who have failed to obtain the passing grade of 60% in any written examination have the choice of: (a) passing a supplemental examination in that subject in the fall; (b) repeating the course.

Local Centre Examinations

Theoretical examinations are held at the local centres on the date of the regular sessional examinations of the Conservatorium. Practical examinations take place during May, June, and July. The regulation concerning deferred examinations applies as well to local centre candidates who also have the privilege of writing supplemental examinations in the event of failure.

Forms of entry for all local center examinations may be obtained from the Secretary of the Faculty of Music, or from either the local honorary representatives or secretaries. A complete list of local centres will be found on pages 2197-8.

CLASSIFICATION OF MARKS

100—95%	Very High Distinction
94—90%	High Distinction
89—80%	Distinction
79—70%	Honours
69—60%	Pass
Below 60	Failure

FEES

TUITION FEES

N.B. The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require

The fee for theory classes in the Junior Department is $20 per session. Fees for practical courses in the Junior Department are scaled according to grade and medium as follows:

MEDIUM	GRADE		
	4,5,6	*7,8,9*	*10,11*
Keyboard Instruments	$126	$162	$216
Voice	—	180	216
Violin, Viola, Cello	126	180	216
Other Instruments	—	162	180

EXAMINATION FEES

Examination fees for courses in the Junior Department of the Conservatorium are as follows:

THEORETICAL COURSES:

Grade 7	$ 2
" 8	4
" 9	6
" 10	8
" 11	10

PRACTICAL COURSES:

Grade 4	$ 2
" 5	4
" 6	5
" 7	6
" 8	7
" 9	8
" 10	10
" 11	12

LOCAL CENTRES

Fees for local centre examinations are the same as those listed above for Conservatorium (Junior Department) examinations. In the case, however, of examinations leading to the diploma of Associate in Music, Senior Department rates will apply.

DATES OF PAYMENT

TUITION FEES

The University does not issue bills for fees. Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. (Saturday 9 a.m. to 11 a.m.) on or before October 1st.

Remittance may be made by mail in which case cheques or money orders should be made payable to McGill University, and addressed to the Cashier, Accounting Department, McGill University, Montreal 2, P.Q.

Fees may be paid in two instalments, one at the beginning of the session, the other not later than January 15th. In such cases, the instalment fee of $5 is charged.

Special fees and penalties for late payment are shown in the General Information pamphlet which accompanies this announcement.

EXAMINATION FEES

All examination fees, including those for local centre examinations, must be paid in advance to the Secretary of the Faculty of Music, McGill University. In the case of local centre examinations, forms of application duly filled in by the candidate and accompanied by the examination fee must reach the Secretary in Montreal on or before April 1st.

ATTENDANCE REGULATIONS

1. All students are required to be punctual at all lessons.
2. The attendance register must be signed by the student after each lesson in a practical subject.
3. Lessons in practical subjects missed in consequence of the instructor's absence will be made up at the mutual convenience of instructor and pupil. Lessons missed in consequence of the pupil's absence will be made up only if notice of cancellation has been given forty-eight hours in advance, or if a doctor's certificate is produced.

PROGRAMME OF STUDIES IN THE CONSERVATORIUM OF MUSIC—JUNIOR DEPARTMENT

Students in the Junior Department of the Conservatorium may take courses in theory or in any of the practical subjects on pages 2167-8. Theory instruction, while not obligatory, is recommended to all students of instruments or voice as a means of developing musicianship.

SPECIAL REQUIREMENTS FOR PRACTICAL EXAMINATIONS

Tests in sight-reading, ear training and rudiments of music, form a part of all practical examinations held by the Junior Department of the Conservatorium.

(a) *Sight-Reading.* The sight-reading tests for all practical subjects involve pieces of not greater difficulty than those prepared for the previous examination. No sight-reading test is given in the initial grade of any practical subject.

(b) *Ear Training.* Ear tests at all practical examinations are as follows:

Grade	Test
	The candidate will be required to reproduce (sing, hum or play) a simple three-note motive previously played by the examiner. He will also be required to tap a given simple rhythmic pattern.

5	The candidate will be required to identify (either by name of note or by interval) major and minor thirds, as well as perfect fifths and octaves played as melodic intervals by the examiner. He will also be required to reproduce given melodic and rhythmic patterns of brief duration.
6, 7, 8	The candidate will be required to identify (either by name of note or by interval) any diatonic note struck by the examiner in the scales of C, F, or G Major, within an octave of the given tonic note. Reproduction of given melodic and rhythmic patterns as for Grade 5.
9, 10, 11	The candidate will be required to identify (either by name of note or by interval) any diatonic or chromatic interval played within the limit of an octave above or below any note selected by the examiner. The notes of the given interval will be played either: (a) in succession, (b) simultaneously. Melodic and rhythmic tests will be at a more advanced level of difficulty. Candidates will also be required to identify major, minor, diminished and augmented triads, as well as the dominant seventh chord in root position.

(c) *Rudiments.* The questions on musical rudiments will deal with note and rest values, key and time signatures, and expression marks. Questions on registration in the prepared pieces will be asked at the Organ 10 and Organ 11 examinations.

N.B. Information concerning the distribution of marks in the final practical examination is available to teachers and candidates. Requests for such information should be addressed to The Secretary of the Conservatorium.

COURSES OF INSTRUCTION

N.B. The lowest grade number assigned to the respective subjects in the Junior Department differs according to the number of years of pre-college study required in each case. The final grade number for all subjects in the Junior Department is eleven. The following table lists the various grades of study for each of the subjects offered in the Junior Department curriculum. Pamphlets describing the Local Centre Examination requirements in theoretical and practical subjects may be obtained from the Secretary of the Conservatorium.

I. THEORETICAL SUBJECTS:

Theory	7, 8, 9, 10, 11

II. PRACTICAL SUBJECTS:

Piano	4, 5, 6, 7, 8, 9, 10, 11
Violin	5, 6, 7, 8, 9, 10, 11
Clarinet	7, 8, 9, 10, 11
Recorder	7, 8, 9, 10, 11
Voice	7, 8, 9, 10, 11
Viola (Prerequisite: Violin 6)	7, 8, 9, 10, 11
Cello	7, 8, 9, 10, 11
Double Bass	8, 9, 10, 11
Flute	8, 9, 10, 11
Oboe (English Horn)	8, 9, 10, 11

Bassoon 8, 9, 10, 11
Trumpet 8, 9, 10, 11
Harp 8, 9, 10, 11
Organ (Prerequisite: Piano 9) 10, 11
Harpsichord (Prerequisite: Piano 10) 10, 11
Saxophone (Prerequisite: Clarinet 9) 11
French Horn 11
Trombone (Tuba) 11
Percussion 11

DEPARTMENT OF THEORY

THEORY 7. This class is intended to give young beginners training in the rudiments of aural training, rhythmic reading, and staff notation. The limits set for these skills in the present grade are as follows:

(a) *Sight Singing:* The ability to sing at sight easy melodic phrases in the key of C major and in the treble clef. Scale degree numbers rather than syllables are used in this grade. The ability to sing, and to identify by ear, perfect and major intervals.

(b) *Rhythmic Reading:* The ability to articulate easy rhythms in simple meters using rhythmic syllables and the conductor's beat. The rhythms used will involve note and rest values of: one full beat, more than one beat, beat and a half, half beat.

(c) *Staff Notation:* A knowledge of treble and bass clefs, leger lines (above and below the staff), and enharmonic equivalents. The ability to write one octave of the major scale (in both ascending and descending form) in keys not beyond four sharps or flats and with or without key signatures. The ability to spell (whether orally or on paper) and to identify perfect and major intervals. A knowledge of Italian terms.

1 hour.

THEORY 8. This and the following course provide further training in musical rudiments through aural, keyboard, and notational drills. The following subjects are studied:

(a) *Rhythm:* Reading and notational drills are used as preparatory training for the solution of rhythmic problems which include a study of the beat and its background in simple and compound meters, rests, meter signatures, barring.

(b) *Scales:* The scales of C, G, and F major and their relative minors are to be played at the keyboard. Major and minor scales up to five sharps or flats are to be written in G— and F— clefs with or without signatures. Training in aural recognition of scale degrees is stressed.

(c) *Intervals:* Fluency in interval spelling is an important objective and is to be attained through keyboard, oral, and notational drills.

(d) *Triads:* Various drills in the spelling of major and minor triads.

(e) Musical Terms.

1 hour.

THEORY 9. The study of rudiments is continued in this course as follows:

(a) *Rhythm:* Drills are provided in both rhythmic reading and staff notation which involve the subdivision of the background of the beat in simple and compound metres, ties, dotted notes, syncopation, mixed metres, and the re-grouping of incorrectly grouped notes.

(b) *Scales:* Major and minor scales up to five sharps and flats are to be played at the keyboard, and all major and minor scales are to be written whether with or without key signature and starting at any given scale degree. Further drill in the aural identification of scale degrees whether by number or by functional name is stressed.

(c) *Triads & Intervals:* The main objective of this course is the intensive study of the major, minor, diminished, and augmented triads and of the component intervals of these triads. Particular stress is placed upon the spelling, whether oral or written, of root position and inverted triads, as well as upon the ability to construct these triads at the keyboard. Other drills include the four-part disposition of major and minor chords at the keyboard and on staff, as well as the aural recognition of bass and soprano tones of such chords.
1 hour.

THEORY 10. Rhythmic training includes more intensive drills in simple, compound and mixed metres and in syncopation. Included as well are problems in barring and in the prefixing of meter signatures. The main emphasis of the present course, however, lies in elementary harmonic training. A preliminary phase of this training involves intensive drill in part-writing problems relating to the connection of triads and the resolution of dominant seventh chords, whether in root position or in inversion, as well as the detection of part-writing errors. Subsequent harmonic training comprises: (a) a study of cadences, sequences, and the principles of chord progression; (b) four-part harmonization of chorale phrases and other simple melodies, as well as of figured and unfigured basses, using diatonic triads other than the mediant in root position and inversion; (c) the composition of an original tune of from four to eight measures with indication of the harmonic background; (d) elementary harmonic analysis.
1 hour.

THEORY 11. Harmonic studies include: (a) part-writing and spelling drills; (b) the use of non-harmonic tones; (c) the resolution of secondary and diminished seventh chords, as well as of the augmented sixth, Neapolitan sixth, borrowed dominants and other altered chords; (d) the harmonization of chorale and other melodies, and of figured and unfigured basses using diatonic triads and dominant sevenths in all positions; (e) the composition of melodies of not more than eight measures in length with added part; (f) harmonic analysis.
1 hour.

DEPARTMENT OF KEYBOARD AND VOCAL MUSIC

PIANO 4

Note: For Ear Test and Sight-Reading requirements see page 2166.

Scales: C, G, F major; A, E, D harmonic minor. Hands separately through one octave, followed by the tonic triad in root position.

Exercises: Four short exercises for separate hands.

Prepared Pieces: Four short pieces for both hands.

PIANO 5

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: C, G, D, F, B flat major; A, E, B, D, G harmonic minor. Hands separately through two octaves. Suggested speed: two notes to MM100.

Arpeggios: Common chords in root position only, in C, G, D, F, B flat major, and in A, E, B, D, G minor. Hands separately through two octaves starting from the lowest note.

Prepared Pieces[1]*:* Candidates must play one piece from each of the following three groups:

I.	Anon	Old English Tune: Over the Hills and Far Away (AM-IV).
	J. S. Bach . . .	Chorale in E Minor (BB-I).
		Intrata in G Major.
	H. Fiocco . . .	La légère (AD-I).
II.	Clementi	A Sad Study (AM-VI).
		Sonatina Op. 36 No. 3 (second movement) (SSC).
	Mozart	Minuet in C Major (AD-I).
III.	Bartok	Thirty-Two Piano Pieces (The Little Lane).
		Two Short Pieces and Two Little Dances (No. 2).
	C. Le Fleming .	Squirrel Nutkin, Chester.
	Gretchaninoff . .	Fairy Tale Op. 98 (CB).
	Leslie Paul . . .	Suite for Piano (Stately Gavotte).
	Tansman . . .	Pour les enfants (Set II, Nos. 1 or 2).
	Healey Willan .	Alla Marcia and Tempo di Minuetto. G. V. Thompson Ltd.

PIANO 6

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: C, G, D, A, F, B flat, E flat major; A, E, B, F sharp, D, G, C harmonic minor. Hands separately and together through two octaves, piano or forte, beginning with highest or lowest note. Suggested speed: two notes to MM 100.

Arpeggios: Common chords in root position only, and in the same keys as the above scales. Hands separately and together through two octaves, starting from the lowest note.

Prepared Pieces: Candidates must play one piece from each of the following four groups:

I. Fifty-Eight Tuneful Technical Studies, E. Schuberth & Co. — Book I, Nos. 11-17 (any one).

II. J. S. Bach . . . French Suite No. 4 (Gavotte). March in G Major (GM). Minuet and Trio in G Minor (AD-II).
Jeremiah Clarke . Ayre in C Major (CP).
J. B. Loeillet . . Minuet in E Minor (CP).
Daniel Purcell . Hornpipe in D Minor (CP).

III. C. P. E. Bach . Minuet in A Major (An. Mod).
Clementi . . . . Sonatina in C, Op. 36, No. 1 (first movement).

(1) In certain cases reference will be made to the title of the teaching primer or other collection in which the piece in question may be found. To conserve space, these references appear in the text by means of letter symbols. Roman numerals, when present, signify volume number. The complete titles with publishers' names and letter codes are given below:

AD — Airs and Dances, Boosey and Hawkes.
AG — Airs and Graces of the Eighteenth Century, Oxford University Press.
An. Mod — Ancient to Modern, Boosey and Hawkes.
AM — Approach to Music, Boosey and Hawkes.
BB — Bach for Beginners, Boosey and Hawkes.
CB — Children's Book, E. B. Marks.
CAOP — Classical Album of Original Piano Pieces, Boston Music Co.
CP — Contemporaries of Purcell, Hinrichsen.
DGG — Dances Grave and Gay, Boosey and Hawkes.
EES — Early English Sonatinas.
EC — Easy Classics for the first Grade, Frederick Harris.
EE — Easy Elizabethans, Boosey and Hawkes.
GM — Garden of Music, Novello.
OEW — Old English Worthies, Oxford University Press.
RC — Re-Discovered Classics, Boosey and Hawkes.

Representative selections of piano pieces for all grades in the Junior Department, are published in book form by the McGill Conservatorium of Music and are obtainable at the price of $1.

	Haydn	Allegro, from Sonata No. 9 (AD-II).
		Minuet in G Major (AM-VI).
	Mozart	Minuet in G Major (CAOP).
		Polonaise, from Sonatina in F (RC-I).
IV.	Bartok	Mikrokosmos (Nos. 75, 76, or 78).
		Thirty-Two Pieces (Play Song, or Poor Goose Thief).
	Eileen R. Gilley .	Pirates in the Pacific. G. V. Thompson.
	Gretchaninoff . .	Children's Book, Op. 98 (Nos. 9 or 13).
	Kabalevsky . . .	A Little Song, International Music Co., N.Y.
	Talivaldis Kenins	Horse Ride. G. V. Thompson.
	William Lea . .	Popcorn; The Peanutman. G. V. Thompson.
	Ernest MacMillan	Gavotte in F (EC).
	Shostakovitch . .	A Gay Story (An. Mod).
	Tansman . . .	Pour les enfants (Set III, Nos. 3 or 4).
	Healey Willan . .	Peter's Book (Peter Enjoys a Swing).

NOTE: The selections in the Elementary Grade Books of the McGill Conservatorium continue to be recognized.

PIANO 7

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, harmonic minor, and chromatic scales. Also A, E, B, D, G, C, F melodic minor. Hands together through two octaves, beginning from either highest or lowest note. (Melodic minors from lowest note only.) Forte or piano. Suggested speed: four notes to MM 72.

Arpeggios: Common chords in all major and minor keys in root position only. Hands together through two octaves, beginning on the lowest note.

Prepared Pieces: Candidates must play one piece from each of the following four groups:

I.	Burgmüller . . .	Twenty-Five Easy and Progressive Studies, Op. 100 (any one of Nos. 9, 12, 18).

	Czerny	One Hundred and Sixty Eight-Measure Exercises, Op. 821 (Nos. 1 and 2, or 12 and 13, or 15 and 18).
		Practical Method for Beginners, Op. 599 (Nos. 58 and 59, or No. 61, or Nos. 63 and 67).
	Duvernoy . . .	Twenty-Five Elementary Studies, Op. 176 (any one of Nos. 18, 23, 25).
II.	Anon	Courante in A Minor (EE).
	Anon	Siciliano (AG).
	Bach	Six Little Preludes (No. 2).
		Twelve Little Preludes (No. 10).
	Byrd	Gigg, or Galliard (DGG).
	Farnaby	Tell Me, Daphne, or Bonnie Sweet Robin (EE).
	Handel	Fughetta in C.
		Suite No. 13 (Gigue).
	Lully	Minuet (AG).
	Stanley	Invention (OEW).
III.	Arne	Sonata No. 7 in A (last movement).
	Attwood . . .	Sonatina (EES).
	Beethoven . . .	Sonatina in F (first or second movement).
		Variations on "Ich hab ein kleines Hütchen" (Theme and Var. 1).
		Variations on an Original Theme in G Major (Theme and Var. 1 and 3).
	Haydn	Sonata in C. Hinrichsen Edition, Vol. 101 (Andante).
	Hook	Rondo Pastorale (EES).
	Kuhlau	Sonatina in G, Op. 88 No. 2 (Andante Cantabile).
	Mozart	Variations on "Come un agnello" (Theme and Var. 1).
IV.	Bartok	For Children, Vol. I (Nos. 1 or 17).
		For Children, Vol. II (Nos. 1 or 20).
	Bortkiewicz . .	The Hardy Tin Soldier.

	Elgar	Sonatina (Andantino). Keith Prowse, London.
	Grieg	Lyric Pieces (Arietta).
	Kabalevsky . . .	Children's Pieces Op. 27 (A Little Fairy Tale, or An Old Dance, or Having Fun). Toccatina in A minor, Op. 27 No. 7.
	Leonard Leacock .	Sea Horses. G. V. Thompson.
	Prokofieff . . .	Music For Children Op. 65, No. 3.
	Godfrey Rideout .	Prelude in F. G. V. Thompson.
	Schubert	Ecossaise in B Minor.
	Shostakovitch . .	The Mechanical Doll.

NOTE: The selections in the Junior Grade Book of the McGill Conservatorium continue to be recognized.

PIANO 8

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, minor (harmonic and melodic) and chromatic scales. Hands together through four octaves, in similar motion only, beginning on the lowest or highest note. Legato and staccato, piano and forte. Suggested speed: four notes to MM 92 legato, and MM 72, staccato.

Arpeggios: All major and minor common chords, with inversions, through four octaves, beginning on the lowest note.

Prepared Pieces: Candidates must play one selection from each of the following five groups:

I.	Bertini-Germer .	Fifty Selected Studies (any one of Nos. 7, 12, 15, 17, 22).
	Czerny	Preliminary School of Finger Dexterity Op. 636 (any one of Nos. 5, 6, 10, 17). School of Velocity, Book I, Op. 299 (any one of Nos. 1, 2, 4).
	Heller	Twenty-Five Melodious Studies, Op. 45 (any one of Nos. 11, 18, 19, 23).
II.	Bach	Two-Part Inventions (No. 1 in C, or No. 4 in D Minor). Six Little Preludes (No. 6). Twelve Little Preludes (No. 5).
	Byrd	Courante, or Martin sayd (DGG).

	Handel	Suite No. 14 (Air). Suite No. 16 (Allemande).
	Martini	Sonata in E (Andantino). Chester, Ltd.
	Purcell	Suite No. 3 in G Major (Courante). Schirmer.
	Rutini	Sonata in F (Rondo). Chester, Ltd.
III.	Beethoven . . .	Sonata Op. 49, No. 2 (first movement). Bagatelle in G Minor, Op. 119 No. 1. Bagatelle in D Minor, Op. 33 No. 6. Variations on 'Nel cor più' (Theme and Var. 1 and 2).
	Camidge	Finale (EES).
	Clementi	Sonatina in E Flat, Op. 37 No. 1 (first movement). Sonatina in G, Op. 36 No. 2 (first movement). Sonatina in F, Op. 38 No. 3 (first movement).
	Hook	Sonatina (EES).
	Jones	Sonatina (EES).
	Kuhlau	Sonatina in C, Op. 55 No. 1 (first movement). Sonatina in G, Op. 35 No. 2 (first movement). Sonatina in G, Op. 88 No. 2 (first movement).
	Mozart	Minuet in D, K. 355.
IV.	Chopin	Preludes (Nos. 4 or 6). Mazurka Op. 7 No. 2.
	Elgar	Sonatina (Allegro). Keith Prowse, London.
	Liszt	Consolations (Nos. 1 or 4).
	Mendelssohn . .	Children's Pieces, Op. 72 (No. 2 or 3).
	Schumann . . .	Forest Scenes (Lonely Flower). Scenes from Childhood (The Bogey Man).

V.	Bartok	For Children, Vol. I (any one of Nos. 5, 6, 8, 27).
		For Children, Vol. II (any one of Nos. 6, 8, 18).
	Bortkiewicz . . .	The Nightingale.
	Kabalevsky . . .	Children's Pieces Op. 27 (any one of: Etude, A Little Joke, Sonatina, Dance).
	Karganoff . . .	Scherzino in A Major, Op. 21 No. 6. Harris & Co.
	Prokofieff . . .	Children's Suite Op. 65 (any one of Nos. 2, 4, 10).

PIANO 9

Note: For Ear Test and Sight-Reading requirements *see pages 2166-7.*

Scales: All major, harmonic minor, and chromatic scales, in similar motion through four octaves and contrary motion through two octaves, beginning with the lowest or highest note. All melodic minors in similar motion only. Also all major scales at the interval of a third. Forte and piano, legato and staccato. Suggested speed: legato — four notes to MM 108; staccato — four notes to MM 82

Arpeggios: All major and minor common chords, with inversions, through four octaves, beginning with the lowest or highest note. Also dominant seventh chords in root position and from lowest note only through four octaves. Forte and piano, legato and staccato. Suggested speed: legato — four notes to MM 100; staccato — four notes to MM 72.

Prepared Pieces: Candidates must play one selection from each of the following five groups:

I.	Bertini-Germer .	Fifty Selected Studies (any one of Nos. 39, 43, 48, 49).
	Cramer-Buelow .	Fifty Selected Studies (Nos. 1 or 19).
	Czerny	Preliminary School of Finger Dexterity Op. 636 (any one of Nos. 1, 2, 7, 14, 21).
		School of Velocity Op. 299, Book I (any one of Nos. 5, 6, 7, 8).
II.	Bach	Two-part Inventions (any one of: No. 6 in E, No. 11 in G Minor, No. 13 in A Minor, No. 14 in B Flat).
		Three-part Inventions (No. 7 in E Minor).
	Handel	Suite No. 7 (Allegro or Andante).

	Paradies	Sonata in B Flat (Andante).
	Purcell	Suite No. 2 (Prelude). Suite No. 5 (Prelude).
	Scarlatti	Sonata No. 13 (Pastorale).
III.	Beethoven . . .	Sonata Op. 49 No. 1 (either movement). Bagatelle in E Flat Op. 126, No. 3. Variations on "La stessa, la stessissima" (Theme and Finale).
	Clementi	Sonatinas: Op. 38 No. 1 in G, Op. 36 No. 6 in D, Op. 36 No. 3 in C (any of the first movements).
	Dussek	Rondo in E Flat.
	Haydn	Sonata in G — Peters edition, No. 11 (first movement).
	Kuhlau	Sonatina in C, Op. 20 No. 1 (first or third movement)
	Mozart	Sonata in G, K. 283 (second movement). Fugue in G Minor, K. 154
IV.	Chopin	Prelude No. 10. Mazurka in C Sharp Minor Op. 6 No. 2.
	John Field . . .	Nocturne No. 5 in B Flat
	Grieg	Lyric Pieces Op. 43 (No. 1 or No. 4).
	Liszt	Consolations (No. 2)
	Mendelssohn . .	Christmas Pieces (No. 5 in G Minor). Tarantella in C Major.
	Palmgren . . .	Maynight.
	Schubert	Waltzes (any three)
	Schumann . . .	Forest Scenes Op. 82 (No. 1) Scenes from Childhood (Nos. 3 and 4).
	Eric Thiman . .	Musical Sketch Book (Silent Pool).
V.	Violet Archer . .	Habitant Sketches (No. 2).
	Bartok	For Children, Vol. I (Nos. 38 and 40).

	Debussy	Children's Corner (The Little Shepherd, or Golliwog's Cake-walk).
		Preludes (La plus que lente).
	H. Ferguson . .	Five Bagatelles (No. 2).
	Grovlez	La Sarabande.
	Levine	Humoresque.
	Liadov	The Music Box.
	MacDowell . . .	Shadow Dance.
	O. Pinto	March, Little Soldier.
	Rebikov	Danse des clochettes.
	Spendiarov . . .	Berceuse Op. 3 No. 2.
	J. Turina . . .	The Circus (No. 5).

NOTE: The selections in the Intermediate Grade Books of the McGill Conservatorium continue to be recognized.

PIANO 10

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, minor (harmonic and melodic) and chromatic scales, in similar and contrary motion, beginning with the lowest or highest note. Also all scales at the interval of a third, sixth or tenth, through four octaves, in similar motion only. Forte and piano. Legato and staccato. Suggested speed: legato — four notes to MM 120; staccato — four notes to MM 90. Also broken octaves, hands separately, in all keys, through two octaves. Suggested speed: four notes to MM 60.

Arpeggios: Major and minor common chords through four octaves, beginning with the lowest or highest note (root position and inversions). Dominant and diminished sevenths in root position and inversions, beginning with the lowest note only. Forte and piano, legato and staccato.

Prepared Pieces: Candidates must play one selection from each of the following five groups:

I.	Cramer-Buelow .	Fifty Selected Studies (No. 10).
	Czerny	School of Velocity, Book I, Op. 299 (No. 9).
		School of Velocity, Book II, Op. 299 (No. 1).
II.	Bach	Three-part Inventions (any one).
	Couperin	Suites (any two movements).
	Rameau	Suites (any two movements).

	Scarlatti	Sonatas (any one).
	Telemann . . .	Fantasias (any one).
III.	Beethoven . . .	Sonata Op. 49 No. 1.
	Beethoven-Busoni	Six Ecossaises.
	Haydn	Sonata in E Minor, No. 2. (first, or second and third, movement).
		Sonata in D Major, No. 7. (first, or second and third, movement).
	Mozart	Sonata in G, K. 283 (first or last movement).
		Sonata in C, K. 545 (first or last movement).
		Sonata in F, K. 547 (first or last movement).
IV.	Brahms	Waltzes, Op. 39 (any two).
		Intermezzo in A Minor, Op. 76, No. 4.
	Chopin	Three Ecossaises.
		Mazurkas (Op. 30, Nos. 1 and 2, or Op. 67, Nos. 2 and 4).
		Waltz in B Minor and Minute Waltz.
		Nocturne in F Minor Op. 55, No. 1.
	Faure	Song Without Words Op. 17.
	Liszt	Consolation No. 3 in D Flat.
	Mendelssohn . .	Songs Without Words (any two of: Nos. 1, 14, 25, 29, 36).
	Schubert	Impromptu in A Flat, Op. 142, No. 2.
		Moments Musicaux, Op. 94, Nos. 1 and 2.
	Schumann . . .	Scenes from Childhood (any two pieces).
	Schumann . . .	Romance in F Sharp Major.
V.	Bartok	Three Rondos on Folk Tunes (any one).
	Lennox Berkeley.	Five Short Pieces (1937) — Chester Ed.
	Debussy	Arabesque (No. 1 or 2).
		Preludes, Vol. I (No. 1, Danseuses de Delphes).
	De Falla	Serenata Andaluza.

	Ibert	Little White Donkey.
	Kabalevsky . . .	Variations Op. 40, No. 1.
	Martinu	Etudes and Polkas, Vol. 3 (Polka in A Minor).
	Pinto	Memories of Childhood (Nos. 1 and 5).
	Poulenc	Valse.
	Prokofieff . . .	Gavotte in F Sharp Minor, Op. 32.

NOTE: The selections in the Senior Grade Books of the McGill Conservatorium continue to be recognized.

PIANO 11

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: Major, minor (harmonic and melodic), and chromatic scales in all keys, at the octave, third, sixth or tenth, with staccato or legato touch, and beginning from either the highest or lowest note. In similar and contrary motion. Also broken octaves in all keys through two octaves, hands together.

Arpeggios: Common chords, dominant and diminished seventh chords in all positions at the interval of an octave, starting on the highest or lowest note, with staccato and legato touch.

Note: Scales and arpeggios should be played at as fast a speed as is consistent with clarity and accuracy and without group accentuation.

Prepared Pieces: Candidates must play any two etudes from group I, and one selection from each of the succeeding four groups:

I.	Clementi	Gradus Ad Parnassum.
	Cramer-Buelow .	Fifty Selected Studies (from Nos. 13, 14, 16, 21).
	Czerny	School of Velocity, Vols. III and IV.
II.	Bach	Well-Tempered Clavier (Book I: No. 5 in D Major or No. 20 in A Minor).
		Well-Tempered Clavier (Book II: No. 12 in F Minor or No. 21 in B Flat Major).
	Galuppi	Sonata in D Major.
	Handel	Blacksmith Variations.
		Suite in G Minor (Chaconne).
	Scarlatti	Sonatas (any one).
III.	Beethoven . . .	Sonata Op. 2 No. 1 (last movement).

		Sonata Op. 14 No. 1 (first movement)
		Sonata Op. 14 No. 2 (first or last movement)
		Sonata Op. 79 (first, or second and third movements).
	Haydn	Sonata in E Flat Major (first, or second and third movements).
	Mozart	Sonata in F Major, K. 494 (first or last movement).
		Sonata in A Major, K. 331 (theme and variations).
		Concerto in G Major, K. 453 (first movement with Mozart cadenza).
IV.	Brahms	Intermezzi (Op. 76, No. 3 or 6; Op. 117, No. 1; Op. 118, No. 2; Op. 119, No. 2).
		Ballade Op. 118 No. 3.
	Chopin	Preludes (any two from: Nos. 1, 4, 9, 10, 15, and 22).
		Impromptu in A Flat, Op. 29.
		Bolero Op. 19.
		Nocturne in B Major, Op. 32 No. 1.
		Polonaise in C Sharp Minor Op. 26 No. 1.
	Dohnanyi . . .	March in E Flat Major.
	Liszt	Valse oubliée.
	Mendelssohn . .	Songs Without Words (Nos. 3, 18, or 34).
		Scherzo in E Minor.
	Schubert	Impromptu Op. 90 No. 2, in E Flat Major.
		Impromptu Op. 90 No. 4, in A Flat Major.
	Schumann . . .	Arabesque Op. 18.
		Romance in F Sharp Major.
V.	Albeniz	Sevillanas.
	Bartok	Hungarian Peasant Songs (any two).
		Mikrokosmos, Vol. V (any three).
	Debussy	Suite Bergamasque (Prelude or Minuet).
		Preludes, Vol. I (No. 12).
		Children's Corner (any one from Nos. 1, 2, 3, 4).

How. Ferguson .	Five Bagatelles.
Moussorgski . .	Gopak.
Prokofieff . . .	Prelude Op. 12 No. 7.
Saint-Saens . .	Bourree for the Left Hand Alone.
Tcherepnine . .	Bagatelles Op. 5 (any two).

NOTE: The selections in the Highest Grade Books of the McGill Conservatorium continue to be recognized.

ORGAN

ORGAN 8 *Prerequisite:* Piano 9.

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: C, G, D, E, E flat, and F in both major and harmonic minor:

(a) manuals only, hands separately and together, through two octaves, in similar motion;

(b) pedals only, upper or lower octave, as required by the examiner.

Prepared Pieces: Candidates must have prepared the whole of either:
—List A: Buxtehude, Nun bitten wir (TEOM)[1]; Purcell-Fricker, A Purcell Suite (Rondeau in D Minor); Tallis, Gloria tibi trinitas (TEOM); *or*
—List B: Bach, Fughetta on "Gottes Sohn ist kommen" (XVIII[2], p. 41); Bach, Liebster Jesu, wir sind hier (XVIII, p. 72); John Stanley-Wall, Three Eighteenth Century Preludes (Trio).

ORGAN 9

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, minor, and chromatic scales:

(a) manuals only, hands together, through three octaves, in similar and contrary motion, starting on either the lowest or highest note;

(b) pedals only through one octave.

Technical Studies: Nilson, Technical Studies in Pedal Playing — Part II, Section I.

Prepared Pieces: Candidates must have prepared either:
—List A: Bach, Erbam dich mein, o Herre Gott (XVIII, p. 35); de Grigny, Dialogue in F Major (AEFOM)[3]; John James, Echo Voluntary; *or*
—List B: Bach, Fugue in D Major (XII, p. 83); Mendelssohn, Sonata No. 1 (Adagio); Vaughan Williams, Three Preludes on Welsh Hymns (Rhosymedre).

[1] i.e. Treasury of Early Organ Music, Music Press Inc.

[2] Bracketed Roman numerals in the present section (ORGAN) refer to volume numbers in the recommended Novello edition of Bach's organ works.

[3] i.e. Anthology of Early French Organ Music, H.W. Gray.

ORGAN 10

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: (a) Manuals: all major and minor (both forms), and chromatic scales, hands together through three octaves in similar and contrary motion. (Melodic minors in similar motion only.)

(b) pedals only: C, D flat, D, E flat, E, and F through two octaves.

Technical Studies: Nilson, Technical Studies in Pedal Playing — Part II, Section II, (Nos. 1-9 incl.). Part II, Section III, (Nos. 1-7 incl.).

Prepared Pieces: Candidates must have prepared either:
—List A: Bach, Concerto No. 1 (Vol. XI, p. 49); François Couperin, Elevation (AEFOM); Darius Milhaud, Neuf Préludes (any two) — Heugel; *or*
—List B: Bach, Nun komm der Heiden Heiland (Vol. XVII, p. 46); Handel, Concerto No. 13 (first and second movements); Healey Willan, Epilogue — Novello.

ORGAN 11

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, minor (both forms), and chromatic scales played at varying degrees of speed:

(a) manuals only, hands together, at octave, third, and sixth for three octaves;

(b) pedals only, through one and two octaves;

(c) combined: one hand and pedals combined, in similar and contrary motion, from the octave or unison through one and two octaves.

Technical Studies: Nilson, Technical Studies in Pedal Playing — Part II, Section II (Nos. 20-59 incl.), Part II, Section III (Nos. 8-28 incl.).

Prepared Pieces: Candidates must have prepared either:
—List A: Bach, Sonata No. 1 (first movement); Brahms, Chorale Prelude: Herzlich thut mich erfreuen; Herbert Howells, Master Tallis' Testament; *or*
—List B: Bach, Herr Jesu Christ, dich zu uns wend (XVII, p. 26); Benjamin Britten, Prelude and Fugue on a theme of Vittoria; Louis Couperin, Chaconne (AEFOM).

HARPSICHORD

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

HARPSICHORD 10. Introduction to the harpsichord. Explanation of mechanism, pedals, and registration. Study of special exercises and simple compositions. J. S. Bach, Selections from Anna Magdalena Bach Book; Byrd, Pavane; Purcell, Suite No. 1.

Prerequisite: Piano 10.

HARPSICHORD 11. Demonstration of tuning, re-stringing, and other minor adjustments. Study of ornamentation (reference: "True Art of Keyboard Playing", by C.P.E. Bach.)

Keyboard music from 1600 to 1800 including the English, French, German and Italian schools. Bach, Two-part Inventions; Couperin, Les Moissonneurs, and Soeur Monique; Gibbons, Preludium; Scarlatti, Pastorale.

VOICE

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

A complete set of graded exercises, scales, arpeggios, and of sight-reading examples for Voice 7, 8, 9, 10 and 11 is published by the Conservatorium and can be obtained from the Secretary at a cost of 25¢.

VOICE 7

Studies: Vittorio Ricci, Beginner's Appendix — Twenty-Four Little Solfeggios (any three from Nos. 1-12).

Songs: Candidates will have to perform any two songs from the following list, as well as a song of their own choice:

Anon	The Holly and the Ivy — English Folk Song.
	My Love's an Arbutus — Irish Folk Song.
	The Little Red Lark — Irish Folk Song.
	Kitty of Coleraine — Irish Folk Song.
Brahms	Lullaby.
	Sunday.
	Sandman.
E. J. Moeran (arr.) .	The Jolly Carter.
Morley	It was a Lover and his Lass.
Mozart	Lullaby.
Schubert	Who is Sylvia.
	Lullaby.
Martin Shaw	The Cuckoo.
William Shield . . .	The Ploughboy.
H. Willan (arr.) . .	Early One Morning.

VOICE 8 N.B. Refer to note under VOICE, above.

Studies: Vittorio Ricci, Beginner's Appendix — Twenty-Four Little Solfeggios (any three from No. 13 — end).

Songs: Candidates will have to perform any two songs from the following list, as well as a song of their own choice:

Anon	Have You Seen but a Whyte Lillie Grow.

Arne	Where the Bee Sucks.
Brahms	My Maiden has Rosy Lips. Sapphic Ode. Vain Suit (Vergebliches Staendchen).
Dunhill	Little Lambs Where do You Sleep. The Milkmaid.
Franz	Dedication. For Music.
Giordani	My Beloved (Caro mio ben).
Grieg	I Love Thee. The First Primrose.
Handel	Alma mia. Angels Ever Bright and Fair. Slumber, Dear Maid (Largo). Where E'er You Walk.
Michael Head	When Sweet Ann Sings.
Horn	I've been Roaming.
Ireland	The Holy Boy.
Lehmann	Oh! Bother, Sang the Thrush. The Cuckoo. The First Rose.
Liddle	An Old French Carol.
Mendelssohn	On Wings of Song.
Graham Peel	In Summer-Time on Bredon.
Purcell	Nymphs and Shepherds.
Schubert	Hedge Roses. Lindentree. To Music.
Somervell	A Shepherd's Cradle Song.
Eric Thiman	I Love all Graceful Things.
Verracini	Pastorale (arr. A.L.).
Vaughan-Williams	Linden Lee.

VOICE 9 N.B. Refer to note under VOICE, p. 2184.

Studies: Concone: 50 Lessons; Panseron: 42 Vocalises; Panofka: Op. 85, Book I — Schirmer Library No. 595 — and Book II — Schirmer Library No. 596; Abt: Practical Singing Method, Op. 474 (Complete). Candidates will have to perform any three studies of a contrasting technical nature.

Prepared Pieces: Candidates will have to perform two songs and one opera or oratorio excerpt selected from the early Italian or French repertory. The selection may be made from among the following:

Songs:
Brahms, Elgar, Robert Franz, Grieg, Haydn, Ireland, MacDowell, Roger Quilter, Rachmaninoff, Schubert, Schumann, Cyril Scott, Peter Warlock.

Excerpts from Opera or Oratorio:
Caccini, Caldara, Carissimi, Grétry, Lully, Mazzochi, Méhul, Monsigny, Monteverdi, Provenzale. 24 Italian Songs and Arias, Schirmer Library, Vol. 1723; also Anthology of Italian song, Book I or II, Schirmer.

VOICE 10 N.B. Refer to note under VOICE, p. 2184.

Studies: Continuation of work listed under Voice 9.

Prepared Pieces: Candidates will have to perform two songs and one excerpt each from Opera or Oratorio. Choice from among the following:

Songs:
Same as under Voice 9.

Opera and Oratorio:
Grétry, Gluck, Handel, Offenbach, Mozart, Paisiello, Piccini, Ambroise Thomas, and Weber. Also Gevaert's Collection, Nos. 34-48, 75, 139, 159, 160, 166, 170, 314, 323, 330, 331, 371, 384, and 389.

VOICE 11 N.B. Refer to note under VOICE, p. 2184.

Studies: Continuation and extension of work listed under Voice 10 (9).

Prepared Pieces: Candidates will have to perform two songs and two operatic or oratorio excerpts, as well as a selection of their own choice:

Songs:
German lied, French art song, English songs, and modern.

Opera and Oratorio:
For suitable selections consult the following: Bach, Arias; Handel, Arias; Handel, Twelve Songs from the Oratorios — Novello ed; Mendelssohn, Elijah (solo music) — Boosey ed.; Royal Operatic Album — Boosey ed. (published separately for each voice).

DEPARTMENT OF ORCHESTRAL INSTRUMENTS

For Ear Test and Sight-Reading requirements for all orchestral instruments and grades, see pages 2166-7.

VIOLIN

VIOLIN 5

Scales: G and A major and minor through two octaves. D major and minor, F major through one octave, one note to each bow. (Minor scales in melodic form only.)

Studies [1]*:* S-VM (No. 13); *or* W-E (No. 2 — with different bowings).

Prepared Pieces: One selection from the following list of pieces: Joseph Bloch, Valsette Op. 33 No. 2; Adam Carse, Marche Militaire; Gordon Jacob, A Bed-Time Song; Herbert Kingsley, Mazurka; Papini, Theme with Variations Op. 57; Rieding, Prière Op. 22 No. 4.

VIOLIN 6

Scales: G, A, and B major and minor through two octaves, four notes to each bow. (Minor scales in melodic form only.)

Arpeggios: G major and minor in first position only through two octaves: (a) one note to the bow; (b) three notes to the bow.

Studies: K-E (No. 1 — played with four different bowings); K-E (No. 7).

Prepared Pieces: One selection from the following list of pieces: Duncan-Rubbra, Four Easy Pieces (any two); Rieding, Concertino in B Minor, Op. 35 (in first position); Seitz, Concertino Op. 22 No. 5; Hans Sitt, Concertino in First Position Op. 93 (First or last movement).

[1] The complete list of recommended studies referred to in the violin and viola courses of the Junior Department is enumerated below. These works will be referred to in the text by means of the indicated letter symbols.

F-E — Fiorillo, Etudes.
K-E — Kayser, Etudes, Op. 20.
Kr-E — Kreutzer, Etudes.
M-TSS — Mazas, Thirty Special Studies, Op. 36.
R-C — Rode, Caprices.
S-VM — Sevcik, Violin Method Op. 6 — Part II.
S-E — Sitt, Etudes, Op. 32 — Bk. III.
W-E — Wohlfarth, Exercises, Op. 74.
W-FS — Wohlfarth, Foundation Studies — Bks. I and II.

VIOLIN 7

Scales: Two octaves of C and B flat major and minor in second position, D major and minor in third and fourth position. Minor scales are to be played in both forms. (a) One note to each bow; (b) three notes slurred to each bow.

Arpeggios: Two octaves in the keys of G and D major and minor: (a) one note to each bow; (b) three notes slurred to each bow.

Studies: K-E (Nos. 9 and 12); S-E (No. 42).

Prepared Pieces: One selection from the following list of pieces: Dancla, Fragment of a Sonata; R. Hofman, Sonatina No. 3 (first or last movement); Lully-Spalding, Melody; Portnoff, Concerto Op. 15; Seitz, Concerto No. 2.

VIOLIN 8

Scales: Two octaves of E and E flat major and minor (harmonic and melodic) in fourth and fifth position, F major and minor (harmonic and melodic) in fifth and sixth position: (a) one note to each bow; (b) three notes slurred to each bow.

Arpeggios: Two octaves in the keys of E flat, E, and F major and minor.

Studies: K-E (Nos. 13 and 16); M-TSS (No. 4).

Prepared Pieces: Pugnani-Moffat, Allegro entusiastico; Vivaldi: Concerto in A Minor, (first movement, or second and third movement).

VIOLIN 9

Scales: G, A, B flat, and B major and their tonic minors (harmonic and melodic) through three octaves. All scales to be played detached and three notes to a bow.

Arpeggios: G, A, B flat, and B major and minor, through three octaves: (a) one note to each bow; (b) three notes slurred to each bow.

Studies: K-E (Nos. 21 and 29); M-TSS (No. 7).

Prepared Pieces: One selection from the following list of pieces: Accolay, Concerto in A Minor; Seitz, Concerto No. 3 Op. 12 (first movement) and Concerto No. 4 (first movement) Sitt, Concertino Op. 31, (first or last movement)

VIOLIN 10

Scales: All major and minor (harmonic and melodic) scales through three octaves. Slurred and detached bowing.

Arpeggios: In all major and minor keys through three octaves, one note to a bow and slurred (one bow ascending and one descending.)

Studies: F-E (No. 15); Kr-E (No. 10); M-TSS (No. 18).

Prepared Pieces: Candidates must play the first piece and any one of the other four in the following list of pieces:

Handel, Six Sonatas (any one); Nardini, Concerto in E Minor; Tartini, Sonata in G Minor; Viotti, Concerto No. 23 (first or last movement).

VIOLIN 11

Scales: All major and minor (harmonic and melodic) through three octaves. Also the chromatic scales of C beginning on the G string, and E beginning on the D string, through two octaves. Slurred and detached bowing.

Arpeggios: In all major and minor keys, as well as dominant and diminished seventh chords through three octaves, one note to a bow, and slurred (one bow ascending and one descending).

Studies: One selection from each of the following:

F-E; Kr-E; R-C.

Prepared Pieces: Candidates must play one selection from each of the following groups of pieces:

I. Corelli-Leonard, La Folia; Kreutzer, Concerto No. 19; Rode, Concerto in A Minor, Op. 8; Veracini, Sonata in E Minor.

II. Bach, Concerto in E Major; Bach, Sixth Partita in E Major, for violin alone (first movement only).

VIOLA

VIOLA 7

Prerequisite: Violin 6.

Scales: C, D, and E major and minor melodic in two octaves, four notes to each bow.

Arpeggios: C major and minor in first position only, through two octaves: (a) one note to each bow; (b) three notes to each bow.

Studies: K-E (any one); W-FS1 (any one).

Prepared Pieces: Reiding, Concertino in B Minor Op. 35 (viola transcription); *or* an easy selection from Old Masters For Young Players by Moffat-Palascho.

VIOLA 8

Scales: F and E flat major and minor (harmonic and melodic) in second position, G major and minor (harmonic and melodic) in third and fourth positions, through two octaves: (a) one note to each bow; (b) two notes slurred to each bow.

Arpeggios: C and G major and minor, through two octaves: (a) one note to each bow; (b) three notes slurred to each bow.

Studies: K-E (any one); W-FS2 (any one).

Prepared Pieces: R. V. Williams, Viola Suite; (Carol, Ballade and Musette) *or* selections from Old Master For Young Players by Moffat-Palascho.

VIOLA 9

Scales: C, D, E flat, and E major and their tonic minors (harmonic and melodic) through three octaves. To be played detached and three notes to a bow.

Arpeggios: C, D, E flat, and E major and their tonic minors through three octaves. To be played detached and three notes to a bow.

Studies: K-E (Nos. 21 and 29); M-TSS (No. 7).

Prepared Pieces: Grazioli, Sonata in F; *or* M. Marais, Five Old French Dances; *or* three selections from Album of Classical Pieces, adapted for the viola by Klengel.

VIOLA 10

Scales: All major and minor (harmonic and melodic) scales through three octaves. Slurred and detached bowing.

Arpeggios: All major and minor keys through three octaves, detached and slurred (one bow ascending and one descending).

Studies: F-E (No. 15); K-E (No. 10); M-TSS (No. 18).

Prepared Pieces: Handel, Sonatas (any one of the six); Mozart, Divertimento in C; *or* Sitt, Concerto Op. 68.

VIOLA 11

Scales: All major and minor (harmonic and melodic) scales through three octaves. Also the chromatic scale of F beginning on C string, and of A beginning on G string, through two octaves. Slurred and detached.

Arpeggios: All major and minor keys, as well as dominant and diminished seventh chords, through three octaves, detached and slurred (one bow ascending and one descending.)

Studies: Three studies, one from each of the following: F-E; Kr-E; R-C.

Prepared Pieces: Ariosti, Sonata No. 2; *or* Handel, Concerto. Bruch, Romance; *or* P. Juon, Sonata; *or* Hindemith, Trauermusik.

CELLO

CELLO 7

Scales and Arpeggios: C, G, D, and F major; A and D minor, through two octaves.

Studies: L. Feuillard, Studies For The Young Cellist (Nos. 11 and 17). Lee, Forty Studies Op. 31, No. 4; *or* Whitehouse, Progressive Studies For The Violoncello (Nos. 11, 12, 16 and 18).

Prepared Pieces: Howard Ferguson, Five Irish Folk Tunes (A Jig, and Cradle Song).

CELLO 8

Scales: Arpeggios: E, A, D, A flat, E flat, and B flat major, and C sharp, F sharp, B, F, C, and G major, through two octaves.

Studies: Dotzauer, 113 Studies (Nos. 10 and 33); L. Feuillard, Studies For The Young Cellist (Nos. 35 and 51).

Prepared Pieces: W. H. Squire, Gavotte Op. 5. — Augener ed. No. 7704b. Also one additional piece, to be selected by the teacher.

CELLO 9

Scales and Arpeggios: All major and minor, through two octaves: (a) detached; (b) slurred, two notes to a bow, and four notes to a bow. All major keys, through two octaves.

Studies: Dotzauer, 113 Studies (any two advanced studies); Merk, Studies (Nos. 1 and 2). Duport, Exercises (No. 9); *or* Whitehouse, Progressive Studies For The Violoncello (Nos. 19, 20, 22, 24, 25, and 27).

Prepared Pieces: Golterman, Concerto in G (first movement). Sammartini, Sonata in G. Also one additional piece, to be selected by the teacher.

CELLO 10

Scales: All major and minor melodic through three octaves: (a) detached; (b) slurred, two, four, or eight notes to a bow.

Arpeggios: All major and minor keys, through three octaves.

Studies: Duport: Any two studies.

Prepared Pieces: J. Barbirolli, Six Airs, arranged for 'cello (any two); *or* Goltermann, Concerto in B Minor (first movement); *and* Eccles, Sonata in G Minor.

CELLO 11

Scales: All major and minor melodic scales through three octaves. Chromatic scale of F beginning on the C string, and of C beginning on the G string, through two octaves. Slurred and detached bowing.

Arpeggios: All major and minor, through three octaves.

Studies: J. L. Duport, Study No. 7, *or* Caprice. Franchomme, Studies (any one); *or* Grutzmacher, Studies (any one).

Prepared Pieces: Bach, Suites (two movements from any one); Saint-Saens, Concerto in A Minor (first movement).

DOUBLE BASS

DOUBLE BASS 8

Scales: F, G, B flat, A, E, and F sharp major, and F, E, G, A, B harmonic minor, in quarter notes and eighth notes, detached and bowed.

Arpeggios: Same keys as for scales, through two octaves.

Studies: Bille, Nanny, Simandl, — up to the second position.

DOUBLE BASS 9

Scales: Same keys as Double Bass 8, in quarter notes, eighth notes, and triplets, eight notes to the bow, MM 70.

Arpeggios: Same as Double Bass 8.

Studies: Simandl, 30 Etudes. Also studies in Nanny and Findeisen. Findeisen's, Nanny's or Simandl's method up to the fourth position.

Prepared Pieces: Beethoven, Ninth Symphony (recitativo bass part); Saint-Saens, Carnival of the Animals (The Elephant).

DOUBLE BASS 10

Scales: All major and minor keys through two octaves, detached and tied by two, four, and six notes to the bow. Triplets, three and six notes to the bow, MM 70.

Arpeggios: In all major and minor keys.

Studies: Hrabe, Studies; — with different bowings using two, four, and six notes to the bow; Kreutzer, Studies.

Prepared Pieces: Beethoven, Fifth Symphony (bass part); Brahms, Second Symphony (bass part); Verrismt, Concerto in B flat — Leduc Ed.

DOUBLE BASS 11

Scales: All major and minor keys, through three octaves. Harmonics. Combination of rhythm and bowing.

Arpeggios: In all major and minor keys.

Studies: Kreutzer, Studies (two); Storch-Hrabe, Etudes.

Prepared Pieces: Beethoven, Ninth Symphony (bass part); Brahms, First Symphony (bass part); Dittersdorf, Concerto in E Major.

FLUTE

FLUTE 8. Production of tone, low C to high E; Altès, Flute Method, Part I; Major scales to two sharps and flats. Simple pieces with and without accompaniment.

FLUTE 9. Knowledge of chromatic range from low C to high A. Major and minor scales to five sharps and five flats. Arpeggios in the simple keys. Altès, Flute Method, Part II. Cavally, Melodious and Progressive Studies — Bk. I; Kohler, Duets; Moyse, Twenty-Four Short Melodious Studies with Variations. Easy pieces.

FLUTE 10. Knowledge of entire range. Scales, triads, and seventh chords. Chromatic scales. Cavally, Melodious and Progressive Studies — Bk. II; Gariboldi, Complete Scales; Gariboldi, Etudes mignonnes; Kohler, Fifteen Easy Exercises Op. 33 — Bk. I. Sonatas by Loeillet and other masters of the seventeenth and eighteenth century.

FLUTE 11. Broken triads and seventh chords, whole tone scales. Berbiguier, Etudes; Kohler, Twelve Exercises Op. 33 — Bk. II; Taffanel — Gaubert, Daily Finger Exercises and Progressive Studies. Sonatas by Handel, Loeillet, Mozart (Andante), Purcell, Telemann.

RECORDER

RECORDER 7. Duschenes, Method for the Recorder (BMI Canada); major scales to two sharps and flats; Duschenes, Studies in Recorder Playing; **easy duets and pieces with piano; sight-reading.**

RECORDER 8. Major and minor scales and arpeggios to three sharps and three flats; Duschenes, Studies in Recorder Playing; Duets by English and French masters of the seventeenth and eighteenth century; "Spielstuecke" of the seventeenth century; easy sonatas by Pepusch, Schickhardt; Fuenf leichte Suiten aus dem Barock (Schott); Johann Fischer, Suites: Trio Sonatas by Sammartini, Bononcini (Schott); sight-reading; ability to play both soprano and alto recorders.

RECORDER 9. Scales and arpeggios to five sharps and flats; Fifteen Solos by Anonymous Masters of the Eighteenth Century (Schott); Duschenes, Studies in Recorder Playing; Telemann, Duets; Sonatas by Haendel, Loeillet, Purcell, Vivaldi; Trio Sonatas by Loeillet, Schickhardt; Variations "Greensleeves to a Ground" (Schott); Hoeffer-Winterfeld Technische Studien fuer Altfloete; study of the history of the flute family; ability to play soprano, also, tenor, bass recorders; sight-reading.

RECORDER 10. Duschenes, Studies in Recorder Playing, Moenkemeyer, Hohe Schule (Moeck); Hoeffer-Winterfeld. 40 Studies (Sikorski); Telemann, Sonatas; Trio Sonatas by Telemann, Haendel, Quantz, Bach, Brandenburg Concerto No. 4; Telemann, Suite in A minor, Concerto in G minor, obbligato parts to Bach arias; Graupner Concerto; Tate, Spielstuecke (Baerenreiter); Hoeffer-Winterfeld, 12 Etuden fuer Altfloete; ability to play in C clef third line, sight-reading.

RECORDER 11. Moenkemeyer, Hohe Schule, Hoeffer-Winterfeld, Bachstudien; Berkeley, Sonatina; Genzmer, Sonata; Telemann, Sonata in C, Vivaldi, 6 concertos; Bach, Brandenburg Concerto No. 2; ability to conduct a recorder ensemble; sight-reading.

OBOE (ENGLISH HORN)

OBOE 8. Posture. Position of the reed. Action of the tongue. Scales. Barret, Forty-Two Progressive Studies for the Oboe; F. Gillet, Beginning of the Oboe.

OBOE 9. Scales, thirds and arpeggios. Barret, Four Sonatas and Sixteen Studies; F. Gillet, Twenty Minutes Practice.

OBOE 10. Scales. F. Gillet, Intervals and Staccato; Sellner, Exercises in Articulation; Sellner, Six First Duos for Two Oboes (Sonata Form).

OBOE 11. Brod, Twenty Studies; Sellner, Six Last Duos for Two Oboes. Handel, Sonata in C Minor.

CLARINET

CLARINET 7. Position of lips and fingers. Tone production. Scales up to one flat and one sharp. Diminished seventh arpeggios. Finger exercises derived from the diminished seventh arpeggio.

CLARINET 8. Chromatic scales. Major and minor scales. Major and minor thirds. Legato and staccato

CLARINET 9. Intervals of third, fourth, and fifth in major and harmonic minor keys. Chromatic exercises. Legato and staccato. C. Rose, Thirty-Two Studies for the Clarinet.

CLARINET 10. Chromatic exercises. Chromatic thirds and fourths. Whole tone scales. Transposition in A. Labanchi Method.

CLARINET 11. Transposition in both A and B; use of C clefs. Labanchi Method continued. Le Roy, Fifteen Concert Etudes from J. S. Bach; Louis de Santis, New Studies for the Clarinet. G. Marty, Fantasy for Clarinet and Orchestra; Weber, Concertino.

SAXOPHONE

SAXOPHONE 10. Major and minor scales and arpeggios. Chromatic scales. Klose, Etudes; Ben Verecken, Studies — Bk. I.

Prerequisite: Clarinet 9.

SAXOPHONE 11. Labanchi — Iasilli, Bk. I; Mule — Soussman, Vol. I. Advanced studies on chromatics. Transposition. Solos of intermediate difficulty.

BASSOON

BASSOON 8. Placement of reed in mouth. Action of tongue and lips. Holding the instrument. Practice of attacks, long tones, fingerings, scales.

BASSOON 9. Extension of range. Scale studies. Exercises on articulations. Weissenborn, Studies — Bks. I and II.

BASSOON 10. Tenor clefs. Major and minor scales up to four sharps and four flats. Intonation. Reed making. Bourdeaux, Premier Solo de Concours.

BASSOON 11. Completion of scale studies. Legato and staccato. Eugène Jancourt, Grande Etude pour Basson Op. 55; L. Milde, Twenty-Four Studies in All Keys Op. 24.

TRUMPET

TRUMPET 8

Scales and Arpeggios: C, F, and G with their relative minors (harmonic), to be played slowly, both detached and slurred through one octave.

Studies: Arban's Method (No. 25, p. 30, and No. 28, p. 32).

TRUMPET 9

Scales and Arpeggios: D, A, E, B, B flat, E flat, A flat, and D flat major, with their relative minors, to be played both legato and detached.

Studies: Arban's Method (Characteristic Study, No. 1, p. 285).

TRUMPET 10

Scales and Arpeggios: All major scales and arpeggios and their relative harmonic minors, to be played legato and detached.

Studies: Bousquet Studies — St. Jacome Method (No. 7 to be transposed to trumpet in A, a half tone down, and to trumpet in C, one tone up; also No. 17).

TRUMPET 11

Scales and Arpeggios: All major and minor (melodic and harmonic) scales and arpeggios to be played single — and double — tongued.

Studies: Charlier, Etudes for Trumpet (p. 5); Sachse, Etudes for Trumpet (No. 3 to be transposed to trumpet in A, C, D, E flat and F); St. Jacome, Method for Trumpet (No. 6 of Characteristic Studies).

FRENCH HORN

FRENCH HORN 11. Tone production, embouchure formation. Use of breath and tongue. Natural overtones, interval relations, arpeggio figures. Diatonic and chromatic passages, staccato and legato, in varying rhythms.

TROMBONE (TUBA)

TROMBONE 11. Correct stance: position of body and correct manner of holding instrument. Mouthpiece placement. Breath control. Attack and release of tone. All major and minor scales with tonic chords. Basic exercises in Arban and Sorgey Methods.

PERCUSSION

PERCUSSION 11. Snare drum: rudiments; rolls in various nuances. First part of Podemski Snare Drum Method. Mallets (pertaining to all phonetic instruments which are struck): major and minor scales. First part of William Dorn Method. One solo piece. Timpani: Goodman Method (first section).

HARP

HARP 8. Hand position. Basic scales and arpeggios. Grossi, Harp Method. Candidates must prepare three selections from the following list of pieces: Bach — Abrams, Two Minuets in G — in A Treasury of Easy Classics[1]; Grandjany, Bagatelles; Grandjany, Three Easy Pieces (Nocturne, Bagatelles); Hasselmans, Berceuse en sol mineur; Hasselmans, Trois pièces faciles (Rêverie); Maykapak-Abrams, The Blacksmith; Mozart — Abrams, Andantino, K. 236; Prokofieff — Abrams, Fairy Tale; Salzedo, Preludes Intimes (Nos. 1 and 3); Scarlatti — Abrams, Larghetto in D Minor — TEC.

HARP 9. Major scales through one and a half octaves. N. D. Bochsa, Forty Progressive Studies — Bk. I (any four studies).

Candidates must prepare three selections from the following list of pieces: Bach — Abrams, Polonaise — TEC; Bach — Abrams, Twelve Little Preludes (Pour le luth) — TEC; Beethoven — Abrams, Sonatina in G — TEC; Grandjany, Greetings; Grandjany, In a Dancing Mood — Harp Album; Grandjany, Le bon petit roi d'Yvetot; Grandjany, On an Old Christmas Song; Handel — Abrams, Prelude in G — TEC; Renié, Angelus; Renié, Première suite des six pièces (Auprès du ruisseau); Renié, Danse d'autrefois; Renié, Esquisse.

[1] Referred to henceforth as TEC.

HARP 10. Major and minor scales through three octaves. Major sixth and dominant ninth glissandi. Pozzoli, Studi di media difficolta per arpa (any two studies).

Candidates must prepare three selections from the following list of pieces: Beethoven, Six Easy Variations on a Swiss Air; Debussy — Grandjany, La Fille aux cheveux de lin; Donizetti — Schneker, Lucia di Lamermoor (Cadenza); Grandjany, Arabesque; Grandjany, Et ron, ron, ron, petit patapon; Grandjany, Noël provençal; Grandjany, The Pageant Begins; Kirchhoff — Grandjany, Aria and Rigaudon; Renié, Contemplation; Saint-Saens, Fantaisie; Tournier, Au matin; Zabel, Marguerite douloureuse.

HARP 11. Diminished seventh glissandi. Naderman, Sept sonates progressives (any two sonatas).

Candidates must prepare three selections from the following list of pieces: Bach-Grandjany, Largo; Busser, Pièce de Concert; Couperin-Salzedo, Giga; Debussy-Renié, First Arabesque; Granados-Abrams, The Last Pavane; Grandjany, Aria in the Classical Style for Harp and Strings (or Organ); Grandjany, Automne; Grandjany, Old Chinese Song; Handel-Grandjany, Sarabande; Hasselman, La Source; Hasselmans, Patrouille; Pierné, Impromptu-Caprice; Rousseau, Variations pastorales sur un vieux Noël; Salzedo, Suite of Eight Dances (Seguidilla and Rumba); Schobert-Grandjany, Andante; Tournier, Berceuse russe; Tournier, Féerie; Tournier, Images, Premier suite (Lolita, La Danseuse).

ENSEMBLE COURSES

COLLEGIUM MUSICUM 10. Concerted music of the Renaissance for viols, recorders and other early wind instruments. Also music for voice (or voices) in combination with these, or with keyboard instruments or lute. Examinations will include tests relating to the technique (scales,

exercises, and studies of the individual players. The course is open to partials who are proficient in performing upon a modern stringed, wind or keyboard instrument, or who have some knowledge of the rudiments of musical theory and harmony.

COLLEGIUM MUSICUM 11. A continuation of Collegium Musicum 10.

LOCAL CENTRES

The following places have been adopted as centres for public Examinations in Music; others will be added as necessity requires, but in all cases the establishment of a centre depends upon a sufficient number of candidates applying. All examinations for Certificates in the Local Grades, as well as those for the A. Mus. are held at these centres:

BURY	*Hon. Secretary:* Mrs. F. H. Harrison, Bishopton
CAMPBELLTON	*Hon. Secretary:* Miss Laura Alford.
CAMPBELL'S BAY	*Hon. Representative:* Rev. J. R. Windle. *Hon. Secretary:* Sister Frances Teresa, St. Joseph's Convent.
CHAPEAU	*Hon. Representative:* Rev. Dean J. Kimpton, St. Joseph's Convent. *Hon Secretary:* St. Joseph's Convent.
CHARLOTTETOWN	*Hon. Representative:* *Hon. Secretary:* Miss E. Lillian McKenzie, Mus.B., F.M.C.M. (McGill), Conway Apts., Orlebar St.
COOKSHIRE	*Hon. Secretary:* Miss E. J. Ball.
EDMONTON	*Hon. Representative:* Dean Robert Hardy, University of Alberta. *Hon. Secretary:* Mrs. O. J. Walker, L.Mus., (McGill), 11103 Saskatchewan Drive.
FERNIE	*Hon. Representative:* Sydney Crookes, Esq. *Hon. Secretary:* Mrs. A. White, Cranbrook.
FREDERICTON	*Hon. Representative:* The Very Reverend Spencer C. Gray, The Deanery. *Hon. Secretary:* R. W. Mott, Esq., L.Mus. (McGill), 374 Charlotte St.
GRANBY	*Hon. Secretary:* Mrs. K. Thierer, 3 Elgin St.
HALIFAX	*Hon. Representative:* The Rev. S. H. Prince, University of King's College. *Hon. Secretary:* Miss M. H. Boak, 78 Morris St.
MONCTON	*Hon. Representative:* The Rev. J. A. Ramsay, D.D., The Manse, Alma St.

	Hon. Secretary: Miss Marion Murray, 185 Mountain Road.
MOOSE JAW	*Hon. Representative:* S. R. Stephens, Esq., City Librarian, Public Library. *Hon. Secretary:* Academy of Sion.
PETERBORO	*Hon. Representative:* John T. Donaldson, Esq., 223 Crescent St. *Hon. Secretary:* F. G. Mann, Esq., F.M.C.M., 203 London St.
QUYON	*Hon. Secretary:* Mrs. Evelyn M. Little, Shawville.
REGINA	*Hon. Representative:* Regina Conservatory of Music. *Hon. Secretary:* Mrs. R. H. Johnston, L.Mus. (McGill), Darke Hall.
RIVER JOHN	*Hon. Secretary:* Mrs. Harold Lisson.
SAINT JOHN	*Hon. Representative:* Rev. A. E. Coleman, B.A., 50 Orange St. *Hon. Secretary:* Dr. H. C. Dunlop, L.Mus., 75 Orange St.
SHERBROOKE	*Hon. Secretary:* Wright W. Gibson, Esq., M.A., F.M.C.M., High School.
SMITHS FALLS	*Hon. Secretary:* A. W. Lucas, Esq., L.Mus., Box 85.
SYDNEY MINES	*Hon. Secretary:* H. A. Briers, Esq., F.M.C.M., Box 438.
TRURO	*Hon. Representative:* Douglas Baker, Esq., 10 Queen St. *Hon. Secretary:* Miss Bertha Dunn, L. Mus., F.M.C.M. (McGill), 11 Victoria St.
VICTORIA	*Hon. Secretary:* R. H. Cox, Esq., L.Mus. (McGill),
VANCOUVER ISLAND	1462 Fort St.

McGill University

Montreal

Faculty of Divinity

Divinity Hall

1959-1960

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

McGill University

FACULTY OF DIVINITY

ADMINISTRATIVE OFFICERS

THE UNIVERSITY—

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

D. L. Thomson, Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

Richard Pennington, B.A., Lib.Dip. — *University Librarian*

G. A. Grimson, B.Com. — *Comptroller*

FACULTY OF DIVINITY—

S. B. Frost, B.D., M.Th., Dr. Phil. — *Dean of the Faculty*

W. C. Smith, M.A., Ph.D. — *Secretary of the Faculty*

A complete list of the teaching staff of the University, including the Faculty of Divinity, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

The Faculty of Divinity, its theological library and reading room, chapel, classrooms, auditorium, common rooms, and office are in Divinity Hall, 3520 University Street.

Daily Services open to all members of the University are held in the Chapel during the session at times intimated on the notice-boards.

CALENDAR FOR THE SESSION 1959-60

1959

September 14th, Monday ..... Supplemental examinations begin.
September 21st, Monday, *September 22nd, Tuesday* ..... Registration.
September 23rd, Wednesday ..... Lectures begin.
October 6th, Tuesday ..... Fall Convocation.
November 11th, Wednesday ..... Remembrance Day Service
December 18th, Friday ..... Last day of lectures

1960

January 4th, Monday ..... Second term begins.
February 19th, Friday, *February 20th, Saturday* ..... Mid-term holidays.
April 6th, Wednesday ..... Lectures end.
April 15th, Friday to April 18th, Monday, incl. ..... Easter Vacation.
April 27th, Wednesday ..... Examinations begin.
May 27th, Friday ..... Convocation.

TEACHING STAFF OF THE FACULTY OF DIVINITY

STANLEY BRICE FROST, B.D., M.Th. (Lond.), Dr. Phil. (Marburg)
Dean of the Faculty and Professor of Old Testament Language and Literature

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Professor of New Testament Language and Literature

ERIC GEORGE JAY, M.A. (Leeds), B.D., M.Th., Ph.D. (Lond.)
Professor of Systematic Theology

WILFRED CANTWELL SMITH, B.A. (Tor.), M.A., Ph.D. (Princeton)
W. M. Birks Professor of Comparative Religion

JAMES SUTHERLAND THOMSON, M.A. (Glasgow), D.D. (Glasgow, Emmanuel, Toronto), LL.D. (Washington, Queen's, Toronto, McGill, McMaster, Manitoba, Alberta, Saskatchewan), F.R.S.C.
Professor of Philosophy of Religion (Post-retirement)

HENRY HORACE WALSH, B.D. (General Synod), M.A. (King's), S.T.M. (General Theological Seminary), Ph.D. (Columbia)
Professor of Church History

JOHN ARTHUR BOORMAN, B.A.(Alberta), M.A., Ph.D. (Columbia).
Lecturer in Christian Ethics

JOHN CHARLES KIRBY, S.T.B. (General Theological Seminary, New York), B.A., S.T.M.
Lecturer in New Testament

CHARLES JOSEPH ADAMS, A.B. (Baylor), Ph.D. (Chicago)
Lecturer in Comparative Religion

ROBERT HAROLD BEATTY, B.A. (Western Ontario and Oxon.), B.D. (Trinity College, Toronto)
Teaching Fellow in Hebrew

THE FACULTY OF DIVINITY

GENERAL

The Faculty was created by the Senate of the University in 1948, following on negotiations with the Montreal Diocesan College, the United Theological College (Montreal) and the Joint Board of Theological Colleges affiliated to McGill University. Admission is open to any qualified student, and the Faculty operates in immediate association with the aforementioned colleges, which accept the courses of instruction in respect of their candidates for ordination. At the same time, the Colleges preserve their separate identity and provide corporate life, residential accommodation, courses of practical training. The Colleges also offer bursaries and financial assistance to their students.

The Faculty of Divinity offers a three-year course leading to the degree of Bachelor of Divinity (B.D.) general or with honours. The basic entrance requirement is a Bachelor's degree from a recognized university, and there are also prerequisites in certain subjects, as noted in the following pages. In co-operation with the Faculty of Graduate Studies and Research, the degrees of Master of Theology (S.T.M.) and Doctor of Philosophy (Ph.D.) are offered. Particulars will be found on page 2316.

The B.D. course provides an education in the Biblical, Historical, Theological and Philosophical aspects of the Christian Religion. Additional training in Practical and Pastoral Theology and in subjects for which a distinctive form of training is required by a particular Communion, is provided by the participating theological colleges. The Montreal Diocesan Theological College of the Anglican Church of Canada and the United Theological College of the United Church of Canada also grant their own diplomas on completion of the course for ordination. Students who belong to other Communions should consult their own ecclesiastical authorities before applying to one or other of these colleges for training in the subjects which are required of ordination candidates, but which do not form part of the B.D. course in the Faculty of Divinity.

The Faculty also provides instruction, as indicated above, for all ordination candidates who are enrolled in the participating colleges, but who, through lack of qualification in pre-requisite studies, are not eligible to become candidates for the B.D. degree. They will be admitted as Partial Students (see page 2307).

REQUIREMENTS FOR ADMISSION

A Bachelor's degree from a recognized university, preferably the B.A., is the basic prerequisite.

It is also normally required that the following courses shall have been completed in the Faculty of Arts and Science of McGill University, or their equivalent in another recognized university:

Courses are designated as in the Announcement of the Faculty of Arts and Science.

Latin:	Senior Matriculation Latin, or Latin 2 or 11.
Greek:	Junior Matriculation Greek, or Greek 2.
Philosophy:	Philosophy 300 and one additional course.
History:	One course in Ancient History, and one course in European History.
English:	English 100, and one additional course.
Natural Sciences:	One course.
Social Sciences:	A course in one of the following: Economics Political Science Psychology Sociology Social Anthropology

Applicants who have not completed all the above subject requirements, or who are in doubt as to the equivalent recognition of courses taken elsewhere than at McGill, should consult the Dean. It may be necessary for them to take certain qualifying courses for admission to the B.D. course. The Dean may exercise his discretion in the case of students of demonstrated ability whose course for the Bachelor's degree has not followed the normal pattern outlined above.

Students who intend to enter the Faculty of Divinity after completing an Arts course are strongly advised to include the above subjects. They should also consult with the Dean of the Faculty of Divinity, who will advise them concerning the most suitable course of studies.

ADVANCED STANDING

Admission to advanced standing in the B.D. course may be granted to suitable applicants from recognized institutions, but in no case will the B.D. degree be granted after less than two years' intramural study in the Faculty of Divinity.

APPLICATION AND REGISTRATION

Intending students of the Faculty of Divinity must submit to the Dean an application with supporting documents by September 15th, 1959. Requests for the necessary application forms should be sent to the Dean's Secretary, Divinity Hall, 3520 University St., Montreal 2.

Registration will take place at the Office of the Dean on Monday, September 21st, and Tuesday, September 22nd, 1959. Students registering late will be required to pay a special fee for late registration unless exempted by the Registrar for sufficient reasons.

CLASSES OF STUDENT

(i) **Regular** Students who are admitted to the B.D. course and who are taking the full number of lecture courses of the year in which they are enrolled.

(ii) **Limited** Students who are admitted to the B.D. course, but who are unable to undertake the full work of the B.D. curriculum concurrently with the courses in Practical Theology provided by the colleges for candidates for ordination, or who, not being ordination candidates, have good reason to ask for extension. Such students may, with the Dean's permission, extend their course for the B.D. degree beyond the normal period of three years.

(iii) **Partial** Students who are not registered as proceeding to the B.D. degree, but who can satisfy the Dean and Faculty of their ability to do the work of the courses to which they seek admission. Ordination candidates registered in one of the participating colleges, and who are not eligible for entrance to the B.D. course, will be advised by the Principal of the College as to the courses of the B.D. curriculum to which they should seek admission as Partial students.

(iv) **Graduate** Students enrolled in the Faculty of Graduate Studies and Research who are candidates for the degrees of S.T.M. and Ph.D.

FEES

(1) Regular, Limited, and Partial students in the Faculty of Divinity who are candidates for ordination registered in one of the participating theological colleges, will be exempted from payment of tuition fees, in view of the contribution of the colleges to the support of the Faculty. Such Regular and Limited students will, however, be required to pay the annual Health Service fee, $7.00 (if in residence, $10.00), Athletics fee, $15.00, and the Students' Society fee, $15.00.

(2) The University fee for all other full-time students will be $500.00 a session, and includes all the regular charges of the University for tuition, registration, health service, libraries, sports, games, graduation and Students' Society fee.

(3) Limited students, and Partial students, not candidates for ordination, who are taking one or two courses, will pay $115.00 for each full course, $5.00 Grounds fee, and $5.00 to the Students' Society ($3.50 for the use of the McGill Union, and $1.50 for the McGill Daily). If taking three or more courses, such students will pay the Health Service fee of $7.00 (if in residence, $10.00), the Athletics fee of $15.00, and the full Students' Society fee of $15.00.

(4) Partial students who are candidates for ordination registered in one of the participating theological colleges, will be exempted from payment of tuition fees, but will pay the extra fees listed in (3) above.

(5) Fees for Graduate students are shown in the Announcement of the Faculty of Graduate Studies and Research. Particulars may be had on application.

For further information about the payment of fees, consult the General Information Pamphlet included with this Announcement.

EXAMINATIONS

Sessional examinations are held late in April.

The pass mark in all examinations is 50%. First class standing is 80% and over, second class standing 65% to 79%, and third class standing 50% to 64%.

FAILURES AND SUPPLEMENTAL EXAMINATIONS

A student who has failed in an examination may apply for permission to write a supplemental examination in the following September. A student who has failed in more than two full courses must withdraw from the Faculty or, with the Dean's permission, repeat his year.

CONDITIONED STANDING

A student who lacks not more than one full course of the entrance requirements to any year of the B.D. course, may be admitted by the Faculty with conditioned standing. He is not permitted to carry this condition for more than one session.

CURRICULUM FOR THE GENERAL B.D. DEGREE (1959-1960)

Note: In the First year, students who possess the necessary qualification in Greek take Hebrew as their Biblical language. Others choose between *Hebrew* and *Greek*. The Second and Third years take the following classes together in alternate years: *Old Testament*, *New Testament*, *Systematic Theology*. In the Third year, second term, students must choose their optional subject as *Church History*, *Comparative Religion*, *Christian Ethics* or *Pastoral Psychology*. For details of courses see pages 2312 *et seq.*

FIRST YEAR

Old Testament.....2 hours and tutorials, session
New Testament.....2 hours and tutorials, session
Systematic Theology.....2 hours and tutorials, session
Philosophy of Religion.....2 hours and tutorials, first term
Church History.....2 hours and tutorials, second term
Biblical language.....3 hours, session

Total lecture and tutorial hours: 12 hours per week, session.

SECOND YEAR

Old Testament.....2 hours and tutorials, second term
New Testament.....2 hours and tutorials, session
Systematic Theology.....2 hours and tutorials, first term
Philosophy of Religion.....2 hours and tutorials, second term
Church History.....2 hours and tutorials, session
Comparative Religion.....2 hours and tutorials, first term
Pastoral Psychology.....2 hours and tutorials, first term
Christian Ethics.....2 hours and tutorials, second term

Total lecture and tutorial hours: 11 hours per week, session.

THIRD YEAR

Old Testament.....2 hours and tutorials, second term
New Testament.....2 hours and tutorials, session
Systematic Theology.....2 hours and tutorials, first term
Philosophy of Religion.....2 hours and tutorials, first term
Church History.....1 hour, first term
Optional subject.....2 hours and tutorials, second term

Total lecture and tutorial hours: 8 hours per week, first term.
7 hours per week, second term.

The presentation of an acceptable thesis embodying the results of specialized study is a requirement for the B.D. degree. (See Regulations, page 2315.)

DEGREE OF B.D. WITH HONOURS

The degree of Bachelor of Divinity *with honours* will be conferred on candidates who fulfil the requirements.

The purpose of the *honours* award is to recognize the outstanding attainments of qualified candidates who complete specially prescribed courses of study and pass the necessary examinations *on a high standard.* The special courses are designed to provide an opportunity for able and promising students to become well trained on the basis of particular interest and capacity in one of the theological disciplines.

Candidates for the degree with honours are usually also students in preparation for ordination to the Holy Ministry; consequently, in the curriculum prescribed for the award of honours, there is no modification of the broad general training in all the theological disciplines, which is necessary for the future vocation of such candidates, and which is prescribed by ecclesiastical regulations. The Honours course attempts to combine the interests of special scholarship with those of general theological education. The standard of attainment must be high alike in the general curriculum and in the *honours* subject.

REGULATIONS FOR THE B.D. WITH HONOURS

(1) Honours may be awarded in any one of the following six departments of study—Old Testament, New Testament, Church History, Systematic Theology, Philosophy of Religion, Comparative Religion.

(2) A candidate must apply for admission to an Honours course in one of the six departments of study, which will then be designated as his *major* subject. He will also be required to undertake special studies in one other related department, which will be designated as his *minor* subject.

He must undertake advanced studies in his *major* subject during the Second and Third years of his course, and in his *minor* subject during the Second or Third year (normally the latter).

At the close of the Third year, the candidate must submit the thesis required of all candidates for the B.D. degree, but it must be connected with his major subject and must be of a more substantial character than for the ordinary degree. (See Regulations for B.D. thesis, page 2315.)

(3) A candidate should apply for admission to an Honours course normally at the completion of the First year of his studies for the B.D. degree. To be qualified, he must have obtained during his First year:

(a) A high general average attainment in all subjects (not less than 70%).

(b) *First Class* or *high Second Class* standing in his major subject.

A candidate for Honours in Old Testament must have taken a full course in Hebrew during his First year or previously, and have attained at least second-class standing in that language. A prospective candidate for Honours in Old Testament who has completed the requirement in Hebrew before entering his First year will be given a tutorial course (including Hebrew) in lieu of Hebrew I.

Admission to an Honours course will be granted by the Faculty on the recommendation of the professor whose department of study is selected as the major subject.

(4) A candidate must continue to maintain the qualifying standard of achievement (see previous regulation) during his Second and Third years. If he fails to do so, special adjustments may be made to permit him to complete requirements for the general degree, provided that in the opinion of the Faculty his attainments are satisfactory.

(5) The advanced courses of study in the major and minor subjects will be prescribed and directed by the professors concerned and may consist of work additional to the studies required by candidates for the general degree or of special work of an advanced character substituted for the general course.

(6) A candidate must also attend lectures and pass the prescribed examinations in all the subjects which are required for the general B.D. degree, except as follows:

(a) Reading courses in each of two half-courses (normally of the Third year) in the general curriculum may be substituted for attendance at the lectures, these courses to be followed by a qualifying paper, which may consist of an essay or an examination, at the discretion of the professor concerned.

(b) When the candidate has selected Church History or Comparative Religion as his major subject, or when the combination of major and minor subjects creates a specially heavy assignment of prescribed studies, he may apply to be exempted from one half-course of the general curriculum (usually in the Third year), but, in no case can this exemption be granted from courses in the New Testament or in Systematic Theology.

(7) The award of Honours will be made by the Faculty on the recommendation of the Dean and the professor of his major subject, who will base their judgment on the candidate's whole record during the entire course of study in the Faculty of Divinity.

DESCRIPTION OF COURSES

OLD TESTAMENT

Professor S. B. Frost
Teaching Fellow R. H. Beatty

OLD TESTAMENT 1A—AN INTRODUCTION TO OLD TESTAMENT STUDIES.
Presuppositions. The Geography of Near East and of Palestine. The History of Near East to 4 B.C. The Identity of the Hebrews. The History of the Hebrews. The Literature known as the Old Testament. Its text and transmission.

OLD TESTAMENT 1B—OLD TESTAMENT PROPHECY.
The origins and character of prophecy. The Schools of the Prophets. The Eighth Century Prophets. The Prophets of the Exile. The Post-Exilic Prophets. The Structure of the Book of Isaiah, with exegesis of selected chapters.

OLD TESTAMENT 2B—HEBREW POETIC AND WISDOM LITERATURE.
The nature, structure and origins of the Psalter. The nature of Hebrew Poetry. Types of psalms: Hymns, Royal, Enthronement, Laments, Didactic. Exegesis of selected psalms. The Wisdom Literature. (*Not given in 1959-60.*)

OLD TESTAMENT 3B—THE PENTATEUCH.
The nature and content of the Pentateuch. The history of Pentateuchal Criticism. The analysis and character of the Pentateuchal Sources. Exegesis of selected chapters. The main theological terms of the Old Testament. (*Given in 1959-60.*)

NEW TESTAMENT

Professor _____
Lecturer J. C. Kirby

NEW TESTAMENT 1—INTRODUCTION TO NEW TESTAMENT STUDIES
The political and religious background; the canon, text, and versions of the New Testament; the Synoptic Problem; text of the Synoptic Gospels and the Acts of the Apostles.
First year . . . . . 3 hours, session

NEW TESTAMENT 2A—THE LIFE AND TEACHING OF ST. PAUL
Introduction to the Pauline Epistles, with exegesis of selected portions in Greek; introduction to the Pastoral Epistles. (*Not given in 1959-60.*)
3 hours, second term

NEW TESTAMENT 3—THE EPISTLE TO THE HEBREWS; THE GENERAL EPISTLES, AND THE JOHANNINE LITERATURE
Introduction, with exegesis of selected portions in Greek. (*Given in 1959-60.*) 3 hours, session

CHURCH HISTORY

Professor H. H. WALSH

CHURCH HISTORY 1B—THE FIRST FIVE CENTURIES

The world in which the Church was founded, and the Christian development.

CHURCH HISTORY 2A—THE CHURCH IN THE MIDDLE AGES

From the Teutonic invasions to the Reforming Councils.

CHURCH HISTORY 2B—THE REFORMATION AND THE COUNTER-REFORMATION

A brief survey of the Eastern Churches and of missionary activity during this era will be included.

CHURCH HISTORY 3A—CANADIAN CHURCH HISTORY

A study of the origin and development of the various branches of the Christian Church in the Canadian setting.

CHURCH HISTORY 3B—HISTORY OF THE MODERN CHURCH (OPTIONAL)

European Christianity from the 18th Century; the world-wide expansion of Christianity with special reference to the Ecumenical Movement.

SYSTEMATIC THEOLOGY

Professor E. G. JAY

SYSTEMATIC THEOLOGY 1A—HISTORICAL INTRODUCTION

The development of Christian Thought: a study of selected theologians from Irenaeus to Paul Tillich; with reference to original sources.

SYSTEMATIC THEOLOGY 1B—SIGNIFICANCE OF THE CHRISTIAN DOCTRINE OF CREATION FOR TO-DAY

The Christian concept of the Triune God—The Christian Estimate of Man—Finitude, Freedom and Sin.—The Need of Salvation.

SYSTEMATIC THEOLOGY 2A—THE DOCTRINE OF REDEMPTION

What think ye of Christ?—The significance of the Incarnation—Interpretations of the Atonement. (*Not given in 1959-60.*)

SYSTEMATIC THEOLOGY 2B—THE DOCTRINE OF SANCTIFICATION

The Doctrine of the Holy Spirit—Eternal Life—Human Destiny—Divine Judgment. (*Not given in 1959-60.*)

SYSTEMATIC THEOLOGY 3B—THE CHURCH, THE MINISTRY AND THE SACRAMENTS

The Nature and the Function of the Church in the light of traditional statements and modern Ecumenical discussions—Different views of the Ministry—The significance of the Sacraments of the Church. (*Given in 1959-60.*)

PHILOSOPHY OF RELIGION

Professors J. S. THOMSON (*Post-retirement*)

PHILOSOPHY OF RELIGION 1A—INTRODUCTION TO THE PHILOSOPHY OF RELIGION

An introductory study of the nature of religious belief with an examination of its validity. Religious faith considered as the basis for a philosophy of life and an interpretation of the world, including moral and other values.

PHILOSOPHY OF RELIGION 2B—A STUDY OF THE PROBLEMS OF RELIGIOUS FAITH

The problems of pain and evil. An examination of the relation of religious beliefs to science, secularism, and materialism.

PHILOSOPHY OF RELIGION 3A—RELIGIOUS FAITH IN THE CONTEMPORARY WORLD

An examination of religion in relation to movements in the current moral and intellectual environment.

COMPARATIVE RELIGION

Professor W. C. SMITH
Lecturer C. J. ADAMS

COMPARATIVE RELIGION 2A—RELIGION IN THE ORIENT

A prefatory general survey of the field. After reference to the religion of pre-historic man and of modern non-literate societies, synoptic introductions will be given to the great religions of the Orient, ancient and modern.

COMPARATIVE RELIGION 3B—RELIGION IN THE ORIENT (OPTIONAL)

A fuller study of one of the Oriental religions: its teachings, institutions, and cultural achievements, so as to understand both the historical development and what the religion means to its adherents to-day.

Honours courses will be offered in Comparative Religion proper, philosophic and systematic. Further, instruction can be arranged in the basic languages of Islam (Arabic, Persian, Urdu) and, at an elementary level, of Hinduism (Hindi and Sanskrit, the latter in the Faculty of Graduate Studies, Department of Classics).

CHRISTIAN ETHICS AND PASTORAL PSYCHOLOGY

Lecturer J. A. BOORMAN

CHRISTIAN ETHICS 2B—AN INTRODUCTORY STUDY

The sources, nature and relevance of the Christian Ethic. The application of Christian Ethics to such aspects of personal and social life as marriage,

vocation, civil rights and responsible citizenship, economic and political problems, international relations.

CHRISTIAN ETHICS 3B—CHRISTIAN SOCIAL ETHICS (OPTIONAL)

The role of the Church in society today; a study of Christian influence in community, state and world affairs. The relevance of Christian Ethics to modern culture—art, science, business, education and recreation.

PASTORAL PSYCHOLOGY 2A—INTRODUCTION.

REGULATIONS FOR THE SUBMISSION OF THE B.D. THESIS

(1) The presentation of an acceptable thesis is a requirement for the award of the degree.

(2) Preparation of the thesis is to be regarded as an integral part of the course of studies required for the degree, whereby the candidate is given an opportunity to devote himself with personal originality and initiative to the study of some particular subject and thus to attest his worth and capacity as a responsible scholar. The thesis must be the candidate's own original work, and should display a real grasp of the selected subject, with an ability to organize the necessary material and to present it in an effective manner.

(3) The thesis shall deal with some special aspect of theological study, and its subject should be chosen in consultation with the professor who is responsible for the department of study within which the proposed subject falls. When the subject is related to two departments, both professors should be consulted. Thereafter the subject must be approved by the Faculty.

Normally the subject of the thesis should be chosen during the Second year of the course. Thereafter, the candidate should confer from time to time as directed on the progress of the work with the professor or professors concerned, but it should be understood that the thesis cannot be approved as acceptable either in its parts or as a whole until the complete thesis is finally presented to the Faculty.

(4) Normally, a thesis presented for the general degree should contain from 10,000 to 15,000 words. A thesis for the degree with Honours should be of a more substantial character in matter and length, and should contain from 15,000 to 20,000 words. An analytical table of contents and a bibliography should be displayed. Authorities and references should be precisely cited in foot-notes. Excessive quotation should be avoided. It is essential that literary form and style should be of a worthy standard.

(5) The thesis must be written during the candidate's final year of attendance, and must be submitted not later than March 31st, of the year in which the final examinations are written.

If the thesis is rejected as unsatisfactory, the candidate may apply before June 30th of the same year for permission to re-submit it and, if such permission is granted by the Faculty, a date for re-submission will be prescribed.

GRADUATE STUDIES

The Faculty of Graduate Studies and Research directs and controls all courses leading to higher degrees and recommends candidates for these degrees. This arrangement includes graduate studies and research in Divinity. The Faculty offers courses leading to the degrees of Master of Theology (S.T.M.) and Doctor of Philosophy (Ph.D.).

REGULATIONS FOR THE S. T. M.

(1) The purpose of the S.T.M. course is to provide a richer intellectual background for the work of the Ministry in all its forms. It seeks to carry further and at a more scholarly level the education gained in the study for the B.D. degree.

(2) The Faculty of Divinity acts as a committee of the Faculty of Graduate Studies in recommending to that Faculty the admission of a student to the course leading to the S.T.M. degree and in recommending that, when his work in his seminar courses has been satisfactory, and when the examiners are satisfied with his thesis, he be awarded the S.T.M. degree. Students must register with the Faculty of Graduate Studies, information concerning which may be obtained from the Dean of Graduate Studies. Nothing in these regulations should be held to contravene the general regulations of the Faculty of Graduate Studies. Students may first consult with the Dean of Divinity.

(3) Candidates shall normally possess the B.D. degree of a Canadian or American University or accredited college, or the theological degree of a British university or such other theological degree as may be deemed equivalent by the Faculty of Divinity. If his theological degree did not include the writing of a thesis, the candidate may be required either to write a qualifying thesis at the B.D. level or to produce other evidence of ability to write such a thesis.

(4) Each candidate for the S.T.M. degree shall attend three seminars and obtain not less than second-class standing in each, and shall also write a thesis to the satisfaction of one internal examiner and one external

examiner, appointed by the Faculty of Graduate Studies. The subject of the thesis must be approved by the Faculty of Graduate Studies on the recommendation of the Faculty of Divinity.

(5) The required seminars shall each last for one academic session and the student's choice shall be guided by the Dean of Divinity in consultation with his colleagues. The seminars will not necessarily be closely related to the subject of a student's thesis. (Not all departments in the Faculty of Divinity offer a seminar in any particular session.)

(6) The thesis shall be the result of work on original sources, as far as these are available, and shall embody the student's appraisal of the relevant material and the conclusions he draws from it. The subject need not be one hitherto unworked, but the treatment must be fresh and the basic research the student's own. Great stress is laid at this level on acquaintance with primary sources, the orderly presentation of material, the cogency and clarity of its exposition, proper documentation, and the ability to conduct research in a scholarly manner. Each candidate for the S.T.M. will be assigned to a director for guidance in the preparation of his thesis. When a thesis has been judged unsatisfactory, it may, by permission of the Faculty of Graduate Studies, be revised and re-submitted, but not more than once.

(7) A student whose thesis relates to the New Testament will be expected to work with the Greek Text and one whose thesis relates to the Old Testament the Hebrew Text. In either case, the student may be allowed to substitute two sessional courses of Hebrew studies for one seminar.

(8) A student may take three seminars in one academic session and submit his thesis at the end of that session, only if he is a full-time student. A part-time student may not take more than two seminars in any one session. He may if he so elects take one seminar in each of three sessions and present his thesis during a further session, but the whole must be completed in five years, unless permission is granted for an extension of time on the recommendation of the Faculty of Divinity.

REGULATIONS FOR THE Ph.D. (Divinity)

(1) The purpose of the Ph.D. course is to engage the student in academic studies at the highest level and to enable him to prepare himself for an academic career. Students not wishing to embark on such a career may take the course but it should be realized that this major aim conditions the course and the level of academic attainment required.

(2) The Faculty of Divinity acts as a Committee of the Faculty of Graduate Studies in recommending to the latter faculty the acceptance

of students as prospective candidates for the degree of Ph.D. and in notifying the Dean of Graduate Studies of their progress in the various stages of the course. Nothing in these regulations should be held to contravene the general regulations of the Faculty of Graduate Studies, which may be obtained from the Dean of Graduate Studies. Students wishing to enter the course for the Ph.D. may first consult with the Dean of Divinity.

(3) The course normally requires three academic sessions of full time study, of which the year spent in S.T.M. studies may count as one. For permission to spend one session of study at another University, the student must consult with the Dean of Divinity. It is assumed that he will have a knowledge of Latin, Greek and Hebrew. He must also pass the Faculty of Graduate Studies' reading examination in French and German. Another European language may sometimes be substituted for French or German. *Candidates are urged to meet these language requirements before entering upon the Ph.D. course.* They may not proceed to their final year until they have done so.

(4) Each student is accepted on probation for his Second year of Ph.D. studies only after gaining his S.T.M. degree or its equivalent, with at least the standing of *cum laude*, and having obtained at least a good second class standing in his three S.T.M. seminars. During this year he may, if a full-time student, take three further seminars, so as to complete a total of six seminars. Not more than three of these six may be taken in any one department, and one seminar will be directed at ensuring that the student has the skills and background requisite for a teacher in his field of specialization. This Second year's work must be taken over a longer period if the student is registered as part-time.

(5) At the end of his Second year, the student must pass the Preliminary Examination, both written and oral, and must obtain at least a good second-class standing in the three seminars of that year, before he can be passed as an accepted candidate for the degree into his final and Third year.

(6) During his Third year (which again for the part-time student must be extended over a longer period) the student must prepare a thesis in the field of his specialized interest. The student is, however, advised to decide the field at the beginning of his Second year, in order that he may be assigned to a director who shall guide his research. The thesis must be submitted within three years after the termination of the Second year of Ph.D. studies unless the student receives special permission for an extension of this period.

GRADUATE SEMINARS

61. THE DOCTRINE OF THE TRINITY — *Professor Jay*
65. THE NATURE AND FUNCTION OF THE CHURCH — *Professor Jay*
73. THE SEPTUAGINT AND THE NEW TESTAMENT
74. ST. PAUL'S EPISTLE TO THE ROMANS (Text, Exegesis and Theology)
75. CONTEMPORARY PROBLEMS IN NEW TESTAMENT THEOLOGY
76. THE EPISTLE TO THE EPHESIANS (Text, Exegesis and Theology)
84. THE QUMRAN COMMUNITY — *Professor Frost*
90. INTRODUCTION TO CANADIAN CHURCH HISTORY — *Professor Walsh*
91. PROBLEMS OF CHURCH AND STATE — *Professor Walsh*
92. THE HISTORY OF THE DOCTRINE OF THE ATONEMENT — *Professor Thomson*
93. THE SOCIAL TEACHING OF THE CHRISTIAN CHURCHES SINCE 1900 — *Professor Walsh*
94. SELECTED PSALMS (Hebrew and Greek Texts and Exegesis) — *Professor Frost*
95. THE HISTORY OF THE HOUSE OF ZADOK — *Professor Frost*
101. HISTORICAL DEVELOPMENT OF ISLAMIC THEOLOGY — *Professor Smith*
103. SEMINAR IN COMPARATIVE RELIGION — *Professor Smith*
105. CHRISTIANITY AND OTHER RELIGIONS — *Professor Smith*
106. CHRISTIANITY AND ISLAM — *Professor Smith*

BURSARIES, SCHOLARSHIPS, AND PRIZES

1. AWARDED BY THE FACULTY OF DIVINITY

W. M. Birks Scholarships—Three W. M. Birks Scholarships are awarded by the Faculty of Divinity, viz:

Entrance Scholarship—$250, to be awarded to the most outstanding and promising student entering the First year of the B.D. course. Applications must be made by 1st June to the Dean of the Faculty of Divinity.

Two Scholarships, each of $100, to be awarded to the most outstanding students at the end of the First and Second years of the B.D. course respectively. They will be tenable during the Second and Third years of attendance.

N.B. In addition to the above grants, students of participating Churches receive free tuition.

W. M. Birks Teaching Fellowship—$1,500, plus Tuition Fees in the Faculty of Graduate Studies. Candidates must be prepared to teach First year Hebrew (3 hours weekly) and to pursue Graduate Studies in Divinity at either the S.T.M. or Ph.D. level in a field of their own choosing.

Samuel Finley Memorial Scholarship—$120 is available to a student enrolled in the Faculty of Graduate Studies and Research who is pursuing advanced studies in Divinity. Application should be made to the Dean of the Faculty of Divinity on or before 1st June.

2. AWARDED BY A THEOLOGICAL COLLEGE

Particulars concerning Bursaries, Scholarships, and Prizes open to students registered in the participating theological colleges are set out in the calendars of these institutions, which may be had on application to the respective Principals (see below).

PARTICIPATING THEOLOGICAL COLLEGES

ADDITIONAL COURSES FOR ORDINANDS

The Montreal Diocesan Theological College of the Anglican Church of Canada and the United Theological College of the United Church of Canada are associated with the Faculty of Divinity and contribute to its support. The professors of the Faculty of Divinity who are members of one or other of these Communions may be also members of the faculty in one of the theological colleges. Students in the Faculty of Divinity who are candidates for ordination in the Anglican Church or in the United Church of Canada must be registered also in their respective colleges, where they will receive such practical and other training as is required of candidates for ordination, but which is not part of the course for the B.D. degree.

The Montreal Diocesan Theological College and residence is situated at 3473 University St.; the Principal is the Rev. E. G. Jay, B.D., M.Th., Ph.D.

The United Theological College and residence is situated at 3508 University St.; the Principal is the Rev. ————————. (Enquiries may temporarily be addressed to the Dean of Divinity, 3520 University Street.)

McGill University

Montreal

Faculty of Graduate Studies and Research

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

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Faculty of Graduate Studies and Research

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, Ph.D., D.Sc., LL.D., F.R.S.C. — *Vice-Principal of the University and Dean of the Faculty of Graduate Studies and Research*

F. C. MacIntosh, M.A., Ph.D., F.R.S. — *Secretary of the Faculty of Graduate Studies and Research*

J. H. Holton, B.Com. — *Secretary of the Board of Governors*

G. A. Grimson, B.Com. — *Comptroller*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

A complete list of the teaching staff of the University, including the Faculty of Graduate Studies and Research, is printed as a separate announcement, which may be obtained from the Registrar's Office.

COMMITTEE ON RESEARCH

Dean D. L. Thomson, *Chairman*

Professor Charles Fox
Professor D. K. McE. Kevan
Professor K. I. Melville
Professor R. S. Walker
Professor E. C. Webster
Professor W. A. Westley
Professor D. M. Wright
Professor L. Yaffe

MEMBERS OF THE FACULTY (1959-1960)

PROFESSOR D. L. THOMSON (Biochemistry)—*Dean*

PROFESSOR E. F. BEACH (Economics)

PROFESSOR N. J. BERRILL (Zoology)

PROFESSOR J. B. BIRD (Geography)

PROFESSOR A. C. BLACKWOOD (Agricultural Bacteriology)

PROFESSOR J. W. BOYES (Genetics)

PROFESSOR J. S. L. BROWNE (Medicine)

PROFESSOR W. BRUCE (Mechanical Engineering)

PROFESSOR A. S. V. BURGEN (Physiology)

PROFESSOR K. B. CALLARD (Political Science)

PROFESSOR D. G. CAMERON (Medicine)

PROFESSOR T. W. M. CAMERON (Parasitology)

PROFESSOR G. E. G. CATLIN (Political Science)

PROFESSOR R. V. CHRISTIE (Medicine)

PROFESSOR T. H. CLARK (Geology)

PROFESSOR R. A. CLEGHORN (Psychiatry)

PROFESSOR M. COHEN (Law)

PROFESSOR R. H. COMMON (Agricultural Chemistry)

PROFESSOR J. I. COOPER (History)

PROFESSOR CARLETON CRAIG (Civil Engineering)

PROFESSOR E. W. CRAMPTON (Nutrition)

PROFESSOR W. A. DELONG (Agricultural Chemistry)

PROFESSOR G. L. D'OMBRAIN (Electrical Engineering)

PROFESSOR M. J. DUNBAR (Zoology)

PROFESSOR K. A. C. ELLIOTT (Biochemistry)

PROFESSOR G. A. FERGUSON (Psychology)

PROFESSOR H. N. FIELDHOUSE (History)

PROFESSOR H. G. FILES (English)

PROFESSOR J. S. FOSTER (Physics)

PROFESSOR CHARLES FOX (Mathematics)

PROFESSOR S. B. FROST (Divinity)

PROFESSOR R. D. GIBBS (Botany)
PROFESSOR J. E. GILL (Geology)
PROFESSOR F. K. HARE (Geography)
PROFESSOR D. O HEBB (Psychology)
PROFESSOR JOYCE HEMLOW (English)
PROFESSOR T. G. HENDERSON (Philosophy)
PROFESSOR F. S. HOWES (Electrical Engineering)
PROFESSOR H. H. JASPER (Neurology)
PROFESSOR GERTRUDE KALZ (Bacteriolgy)
PROFESSOR D. K. KEVAN (Entomology)
PROFESSOR RAYMOND KLIBANSKY (Philosophy)
PROFESSOR J. E. L. LAUNAY (French)
PROFESSOR C. P. LEBLOND (Anatomy)
PROFESSOR P. F. MCCULLAGH (Classics)
PROFESSOR J. U. MACEWAN (Metallurgy)
PROFESSOR D. L. MACFARLANE (Agricultural Economics)
PROFESSOR F. C. MACINTOSH (Physiology)
PROFESSOR G. C. MCMILLAN (Pathology)
PROFESSOR J. R. MALLORY (Political Science)
PROFESSOR R. B. MALMO (Psychiatry)
PROFESSOR J. S. MARSHALL (Physics)
PROFESSOR K. I. MELVILLE (Pharmacology)
PROFESSOR D. L. MORDELL (Mechanical Engineering)
PROFESSOR F. O. MORRISON (Entomology)
PROFESSOR D. C. MUNROE (Education)
PROFESSOR H. R. MURRAY (Horticulture)
PROFESSOR R. V. V. NICHOLLS (Chemistry)
MR. RICHARD PENNINGTON (University Librarian)
PROFESSOR EUGÈNE PÉPIN (International Air Law)
PROFESSOR J. B. PHILLIPS (Chemical Engineering)
PROFESSOR C. B. PURVES (Chemistry)
PROFESSOR J. H. QUASTEL (Biochemistry)

Professor R. W. Reed (Bacteriology)
Professor H. S. Reiss (German)
Professor H. R. Robertson (Surgery)
Professor Muriel V. Roscoe (Botany)
Professor Vernon Ross (Library Science)
Professor H. I. Schiff (Chemistry)
Professor F. R. Scott (Law)
Professor W. C. Smith (Comparative Religion and Islamic Studies)
Professor D. N. Solomon (Sociology)
Professor H. Spence-Sales (Architecture)
Professor John Stanley (Zoology)
Professor H. A. Steppler (Agronomy)
Professor J. S. Stevenson (Geology)
Professor L. G. Stevenson (History of Medicine)
Professor Herbert Tate (Mathematics)
Professor A. Taurins (Chemistry)
Mrs. Alice Turnham (University Museums)
Professor Eleanor H. Venning (Medicine)
Professor R. S. Walker (English)
Professor P. R. Wallace (Mathematics)
Professor D. R. Webster (Experimental Surgery)
Professor E. C. Webster (Psychology)
Professor W. A. Westley (Sociology)
Professor C. A. Winkler (Chemistry)
Professor H. D. Woods (Economics)
Professor G. A. Woonton (Physics)
Professor D. M. Wright (Economics)
Professor Leo Yaffe (Chemistry)

GENERAL STATEMENT

1. The Faculty of Graduate Studies and Research directs and controls courses leading to higher degrees and recommends candidates for these degrees and for certain diplomas. The Dean's office is in the Biology Building, Room 311.

2. The members of the Faculty are appointed annually by the University Committee on Research (see page 2607) from among those members of the staff who are most active in research or in the training of graduate students. Under the University Statutes this Committee is responsible, jointly with the Graduate Faculty, for organizing and coordinating programmes and courses of research. The Dean of the Faculty is Chairman of the Committee.

ADMISSION

3. Advanced courses of instruction are offered to students who are graduates of any university of recognized standing, and who have at least second class honours, or the equivalent of at least second class honours as granted by McGill University, in the subject in which they desire to take their major work. This implies a standing in the upper half of the undergraduate class, at least, and a considerable amount of specialization, for example 36 semester hours of lectures in the subject selected. Admission to these advanced courses does not in itself imply candidacy for a higher degree or diploma. Every student admitted to the Faculty is, however, attached to one or other of the Departments thereof, which is primarily responsible for guiding his studies.

4. The attention of applicants for admission to the Faculty is directed to the Graduate Record Examination (Educational Testing Service, 20 Nassau Street, Princeton, N.J.). This examination consists of a relatively advanced test in the candidate's specialty, and a general test of his attainments in the several basic fields of knowledge, for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination occupies some eight hours, and the total fee does not exceed $12.00. Applicants for admission to the Faculty are not required to take this examination, but those who have done so should submit their records therein; these will receive consideration along with other evidence of the candidate's admissibility. This credential is of especial importance in the case of applicants whose education has been interrupted, or has not led directly towards graduate study in the subject selected. In such cases the Department has the right to refuse to consider applications which do not include a report from the Graduate Record Examination or some similar test; some Departments may require such reports of all applicants.

High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly, and is required of applicants for admission in Psychology; enquiries should be directed to the Department of Psychology in the applicant's own university or college.

CLASSES OF STUDENTS

5. (a) Those admitted to the Faculty as regular students studying for a higher degree or diploma are termed "graduate students."

(b) Those students whose academic degrees and standing entitle them to admission to the Graduate Faculty, but who are not sufficiently prepared to undertake graduate study in the subject selected, may with the permission of the Dean and the Department concerned be permitted to take a "qualifying year" of further undergraduate studies. Qualifying students are registered in the Graduate Faculty, but not as candidates for a degree. For registration procedure, see Section 6 (b) and (c); for fees, see Section 10 (a). Completion of the work of the qualifying year does not automatically entitle the student to proceed towards a higher degree. Students who are ineligible for a qualifying year may apply to the appropriate undergraduate Faculty for admission as regular or partial students, and seek admission to the Graduate Faculty at a later date.

(c) Those qualified students who are permitted to take one or more courses in the Graduate Faculty, without intention of proceeding to a degree or diploma awarded by this Faculty, are termed "partial students of the Graduate Faculty". In the same category are included students carrying on research in McGill laboratories, without intention of proceeding to a degree. For fees see Section 20. If graduate partial students subsequently become candidates for higher degrees, they will normally receive academic credit and sometimes deduction of fees for relevant graduate courses taken as partial students. Students who wish to take further undergraduate courses only should register as "partial students" in the undergraduate Faculty concerned, even if they already hold degrees.

(d) "Resident Students" are those who in any given session are attending classes or making use of the university's libraries or laboratories or other facilities, either on a full-time or (see Section 31a) half-time basis; for "Non-resident Students" see Sections 6(e), 10(d), 12, 13 and 44(c).

(e) Regular graduate students taking evening courses required for their degrees *must* register also with the Extension Department, though one fee covers both.

APPLICATION AND REGISTRATION

6. (a) Applications for admission should be made in triplicate on special printed forms which may be obtained at the Dean's office. Applicants

who are not McGill graduates must submit two certified copies of their complete academic record, and are required to ask two instructors familiar with their work to send letters of recommendation to the Dean or to the Department concerned. It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. The applicant should also indicate the branch of the major subject in which further training is desired. A passport-type photograph should also be supplied, either with the application or after it has been accepted. The application forms, duly signed, should reach the Dean's office as early as possible and in no case later than September 10th, 1959, after which date a late fee of $5.00 will be charged. If the application is approved by the Dean and the Department concerned, one copy of the form will be returned to the applicant.

The course leading to the M.A. in Education (see p. 2664) normally begins with a Summer School, so that there are different dates for application and registration in this case. Last day for submission of applications in 1959 is June 15th. The school commences on July 2nd, which is also the last day for the submission of sessional registration forms.

(b) Approved candidates must consult the Department or Departments in which they intend to study, with regard to choice of courses and subject of investigation. Formal application for permission to attend the courses selected, and for approval of the subject of investigation, must then be made in triplicate on special Registration Forms obtainable from the Dean's office. Language examinations (Section 52) should be entered on these forms, if required. These forms require the signature of the candidate, of the Chairman or Chairmen of the Departments concerned, and of the Professor appointed to act as director of the candidate's research, and are normally completed in consultation with the Department; students are warned that it may take a day or two to arrange and complete such consultations. The completed forms should be filed in the Dean's office as early as possible, and at the latest by September 21st; after this date a late fee will be charged. Candidates should in any case be prepared to attend the regular courses of instruction, which begin on September 23rd.

(c) The registration forms will be scrutinized by the Dean and the Committee on Research, and if approval is given one copy will be returned to the candidate, who must then present it without delay at the Registrar's office. The student will meanwhile attend lectures, etc., on the assumption that his registration will be approved; but will not be given credit for attendance until he has completed registration at the Registrar's office. Candidates must register in this way, and pay their fees not later than October 19th; otherwise the prescribed penalty for late registration and late payment of fees will be enforced.

(d) Candidates whose studies extend over more than one year must register at the Dean's office and at the Registrar's office, as above, at the commencement of each year of their course; if they have not so registered at the beginning of the academic year, they are not eligible to receive their degrees at the following Convocations. This applies also to non-resident candidates working at another institution (see Section 44).

(e) Candidates who have completed their courses and their residence but have not yet completed their theses must register at the offices of both the Dean and the Registrar, and pay a registration fee of $10, if non-resident, or $50 if resident, at the beginning of the session in which they present their theses: unless this is done, the thesis can not be examined and the degree can not be awarded (see Section 13).

(f) In some Departments it is in special cases possible to admit selected candidates at unusual times, for example at the beginning of the second term (January 4th) or at the beginning of the summer.

(g) Regulations concerning application and registration for the diplomas awarded by this Faculty will be found under Electrical Communications (p. 2671) and School Supervision (p. 2666).

DEGREES AND DIPLOMAS

7. Graduate students may proceed to one or other of the following degrees: Master of Library Science (M.L.S.), Master of Architecture (M.Arch.), Master of Science (M.Sc.), Master of Science (Applied), [M.Sc. (Appl.)], Master of Engineering (M.Eng.), Master of Arts (M.A.), Master of Sacred Theology (S.T.M.), Master of Civil Law (M.C.L.), Master of Laws (LL.M.), Doctor of Philosophy (Ph.D.), or to Diplomas in Electrical Engineering or in School Supervision.

COURSES AT MACDONALD COLLEGE

8. (a) Graduate students who are taking the major part of their work at Macdonald College may go into residence there and may take, when required, other graduate courses given at the University.

(b) Students wishing to reside in Macdonald College should send in their application for accommodation to the Registrar, Macdonald College, Que., as soon as possible.

(c) Any fees in connection with courses taken at Macdonald College are payable to the Secretary of Macdonald College.

FELLOWSHIPS, SCHOLARSHIPS, AND MEDALS

9. (a) Details of Fellowships, Scholarships, Bursaries, Medals, and Loan Funds available for graduate students will be found in the Announcement of Scholarships, Bursaries, Prizes, and Medals, obtainable from the Registrar.

The following Graduate Fellowships and Scholarships are offered at McGill University to graduates of other approved institutions:

The University Fellowships, normally of $1200 plus fees, and University Graduate Scholarships of lesser value.

The Arthur C. Tagge Fellowship of $1200 in the Humanities and Social Sciences.

The W. M. Birks Fellowship of $1200 in Theology.

The Bronfman Fellowships of $1200 in Economics and Commerce.

The Alexander Mackenzie Fellowship of $950 in Political Science.

The Dow-Hickson Fellowships (minimum value $1750) in Philosophy and in Physics.

The Union Carbide Fellowships of $1500 in the Natural and Social Sciences and one in the Pulp and Paper Research Institute.

The Philip Carpenter Fellowship in Zoology.

The Leroy Memorial Fellowship of $700 in Geology.

The Alexander McFee Fellowship of $1750 in Physics (1959) and Chemistry (1960).

The Cominco Fellowship of $1000 for research on metals, chemicals, or fertilizers.

The Shell Oil Fellowship of $1200 plus a grant for summer study, in Chemistry, Mechanical Engineering, Geology, or Physics.

The Aluminum Laboratories Fellowship of $1600 plus fees, in Physical Metallurgy and related subjects.

The T. Sterry Hunt Scholarship of $600, in Chemistry and Chemical Engineering, for holders of a Master's or other higher degree.

The C.I.L. Fellowships of $2000 in Chemistry (Canadian citizens given preference).

The Gottesman ($800), American Viscose Corporation ($2000), and Spruce Falls ($1400 plus fees) Fellowships tenable in Pulp and Paper Research.

The Allied Chemical and Dye Corporation Fellowship of $1500 for an unmarried man ($2000 for a married man) plus tuition fees, in Cellulose Chemistry.

The Celanese Fellowship of $1500 in Industrial and Cellulose Chemistry.

The Harold Hibbert Memorial Fellowship of approximately $3000 for postdoctoral research work in Chemistry.

The James Douglas Fellowship in Pathology.

The J. B. Collip Fellowships in Medical Sciences.

The H. W. Molson Fellowship of not less than $1000 for Cancer Research.

The John McCrae Fellowship of $1000 in Experimental Surgery.

Fellowships in Neurology and Neurosurgery.

McGill University Carnegie Arctic Scholarships.

In most cases application should be made to the Dean of the Graduate Faculty prior to February 1st. Details of these awards, and of awards offered by other sources but tenable at McGill, are given in the Scholarships Announcement, obtainable from the Registrar's Office.

The Allied Chemical and Dye Corporation Fellowship of $1500 for an unmarried man ($2000 for a married man) plus tuition fees, in Cellulose Chemistry.

Application for the awards made by this Faculty should be made on forms obtainable from the Dean's Office and must be accompanied by application for admission (if this has not already been secured), supported by transcripts, testimonials, etc. Special forms are required for the Bronfman Fellowships and Arctic Scholarships, and inquiries for these should be made before February 1st.

(b) In several Departments graduate students are eligible for demonstratorships and assistantships. Information concerning these may be obtained from the Chairman of the Department concerned.

FEES

The University reserves the right to change any fee without notice.

10. (a) The inclusive fee for a *full time session of resident study* (e.g. a Qualifying Year, the required year for the Master's degree, of the two required years for the M.Sc. (Applied) in Mineral Exploration, or each of the three required years for the Ph.D.) is $500.00. Full-time Assistant

and Associate Professors and Lecturers are eligible to apply for a rebate on these fees.

(b) The inclusive fee for a *half-session of full-time study* or for a *session of half-time study* (see Section 31) is $250.00.

(c) The fee for an *additional session of resident study*, beyond the required year for the Master's degree or the three required years for the Ph.D., for students in good standing whether full-time or half-time, is $50.00.

(d) The registration fee for a *session not spent in residence* (see Sections 5d, 6e, 13, and 44) is $10.00.

(e) The additional fee for a degree conferred *in absentia* is $10.00.

11. The above fees for resident students are inclusive, and cover tuition, graduation, the use of laboratories and libraries, the health service and athletic privileges, and membership in the Postgraduate Students' Society. There is no additional charge for the use of such university facilities as may be available in the summer following the academic session. Additional fees are however charged as set forth below, for special and supplemental examinations, for the re-examination of revised theses, for the repetition of uncompleted courses, and for late registration, etc. Any student taking a lecture course or doing laboratory work, or receiving regular guidance or consultation from any member of the staff, is considered to be in residence. He must register and pay fees as above. For payment by instalments, see Section 21.

12. A Ph.D. candidate permitted to spend either the Second or the Third year of his course at an approved institution elsewhere (see Section 44c) must register at the Dean's office and with the Registrar at McGill as a non-resident student, and pay a fee of $10.00.

13. (a) A student who has completed his courses and his residence but has not completed his thesis must register at the Dean's office and with the Registrar, and pay a registration fee of $10, at the beginning of the session in which he intends to present his thesis, whether for the Spring or the Fall Convocation. Such a student is not considered to be in residence, and the $10 fee does not give the student access to the libraries or laboratories, nor health and athletic privileges, nor membership in the Postgraduate Students' Society. If the student does not fulfil his intention to present his thesis, the fee is not returned and can not be transferred to any subsequent session.

(b) Registration is also required when a student has completed all requirements except for one or more examinations. The fee in this case

will be $10.00 (non-resident) or $50.00 (resident), in addition to any fees due for special examinations (Sections 16, 17).

14. There is no fee for any degree granted *honoris causa.*

15. (a) A candidate whose thesis is judged unsatisfactory by the examiners may be permitted by the Faculty to present a revised thesis once again, for a subsequent Convocation, upon payment of the following fees:

Master's degree	$20.00
Ph.D. degree	35.00

(b) A registration fee of $10.00 (see Section 13) is also payable if a new session of non-resident study is entered; if the student remains in residence for an additional session, the fee of $50 (see Section 10c) will be charged instead of the registration fee, and in addition to the re-examination fee.

16. Fees for supplemental examinations, granted under special circumstances by permission of the Dean on the recommendation of the Department, are payable in advance at $10.00 per paper. A student who has failed in any required course and does not receive permission to attempt a supplemental examination must retire from the Faculty. Only under exceptional circumstances may permission be granted by the Dean, on the recommendation of the Department, for the student to repeat any such course. In such a case the student must pay the fee required of partial students for the course in question (see Section 20) in addition to fees applicable under Sections 10 and 15, but does not pay for supplemental examinations.

17. There is no fee for the language examinations for Ph.D. students (see Section 52) when these are first taken. A fee of $5.00 is however charged when these examinations are retaken after a previous failure.

18. French Summer School students who are proceeding to the M.A. degree are liable for the regular fee of $500 for the M.A. course but are remitted $122.50 of this for each Summer Session they have attended in the advanced course. At the end of the second Summer Session they are required to apply for and obtain admission to the Faculty of Graduate Studies (see Section 6a), but they do not register therein (Sections 6b, c, d) until the end of the fourth Summer Session; at that time they must register on sessional forms at the Dean's office, as "non-resident students", and pay the balance still owing of the M.A. fee. If the presentation of the thesis is postponed beyond the September one year after this registration, they will pay an additional registration fee of $10.00 at the beginning of

the session in which the thesis is to be presented. Students who have completed four Summer Sessions in French (or the equivalent) are excused the *in absentia* fee (see Section 10e) when they obtain an M.A. degree.

19. Students permitted to work for the High School Diploma and for the M.A. concurrently, spreading the work for the M.A. over two years, pay the fee for the Diploma course in the first and the normal fee of $500.00 for the M.A. degree in the second of these years.

20. The normal fee for "partial students of the Graduate Faculty" as defined in Section 5b is $115.00 per full course; special fees may be required for certain laboratory courses. A partial student carrying on research in McGill laboratories, but not taking courses, will normally pay $115.00 per session. Partial students must also pay the Grounds fee of $5.00 and, if taking three or more full courses, the Health Service fee of $7.00 and Student's Activities fee of $5.00.

21. Fees are due and payable at the Accounting Office on or before October 19th. If paid by instalments the second instalment is due on January 15th. An additional $5.00 is charged for payment by instalments. An additional $2.00 is charged for payment after the specified dates.

22. Immediately after October 19th a list of students who have not paid their fees is sent to the Dean of the Faculty, who removes their names from the register of attendance. Such students cannot be re-admitted to any class until instructions have been received from the Chief Accountant that the fees have been paid.

23. Late fees are charged as follows:

Application forms, after September 10th	$5.00
Registration at Dean's Office, after September 21st	5.00
Registration at Registrar's Office, after October 19th	5.00
Payment of fees, after October 19th	2.00

24. All resident graduate students, except partials, are entitled to the same health and athletic privileges as undergraduates, without additional fee:

(a) Medical examination (compulsory); daily consultation service and hospital treatment.

(b) Access to the gymnasium, swimming pool, and tennis courts (additional fee for summer vacation).

(c) Opportunities for exercise with various athletic clubs and eligibility for intercollegiate and other teams.

(d) Admission (by identity card) to the students' section at all intercollegiate games played at McGill.

(e) At Macdonald College slightly different rules apply, see also regulation 25.

25. At Macdonald College, graduate students are entitled to medical attendance, major operations excepted, on the same basis as other students. Graduate students at Macdonald College are entitled to participate in the activities of the various organizations under the Students' Council and to have one representative on the Students' Council.

26. All resident students of the Faculty of Graduate Studies and Research are members of the Postgraduate Students' Society.

27. All fees are payable in Canadian currency.

RESEARCH ASSOCIATES

28. This title is intended to provide recognition and status on the University records for investigators who are neither candidates for a degree nor members of the regular teaching staff of McGill University, but are attached temporarily to a department on the ground that their assistance is required in the interests of a current programme of research.

29. A Research Associate will normally hold the Ph.D. degree or an equivalent qualification.

30. Any money grant which a Research Associate may receive must be either from McGill University or from some other institution promoting the advancement of learning, and must be paid solely for the furtherance of the research that he is pursuing and not for instruction or demonstration. A Research Associate may, however, with the permission of the Faculty, act as a director of research for graduate students associated with him.

GENERAL RULES CONCERNING HIGHER DEGREES

31. (a) A graduate student is expected to devote his full time to his courses, reading, and research in each session counted towards completion of residence requirements. Members of the teaching staff of the University who are also students in the Graduate Faculty and who give more than three hours of lecturing or six hours of conference work or twelve hours of supervisory work in laboratories and allied services per week, and other students doing an equivalent amount of additional work inside or outside the University, may not obtain the Master's degree in one year, and will require at least four years for the Ph.D. At least one of the years required for either degree must be spread over two sessions, in each of which such students will be registered as *half-time* workers and will pay a fee of $250.00.

(b) No full-time student registered in any professional Faculty of the University may register for a graduate degree or for a qualifying year without the special permission of both Faculties.

(c) Students assisted by the Department of Veterans' Affairs are not considered to be "full-time" if they are giving more than nine hours per week to demonstrating and similar services.

(d) A degree is granted in the Faculty of Graduate Studies essentially for work in one subject, known as the student's *major subject*. Certain allied or "cognate" courses in other subjects may be permitted or required; these must be entered on the sessional registration form, which must show whether the courses are to be taken for credit, including examination, or merely attended, and which must be signed by the Chairmen of the Departments concerned.

(e) There is no fixed number of course credits required for these degrees. The Department concerned will rather examine the applicant's previous training, undergraduate and graduate, and then decide how many of the available courses in the major subject and related fields are still required to bring the candidate to the proper level for the Master's degree or Ph. D. The satisfactory completion of such essential courses and the presentation of an acceptable thesis are two separate requirements which must be separately met. Due account will be taken of all relevant courses passed at any recognized University or College.

(f) A candidate with a given higher degree may be permitted to proceed to a second degree of the same kind, but in another subject, provided that the usual requirements for the degree are entirely fulfilled and approved as usual by the Department concerned. In the computation of fees for such second degree, no account will be taken of the student's previous registration in the Graduate Faculty.

CLASSIFICATION OF MARKS

32. 100-80%.....First Class
79-65%.....Second Class
Below 65%.....Failure

This classification applies also to students taking a Qualifying Year.

Students who obtain marks between 50 and 64% in courses not required for the degree sought may, on recommendation of the major Department, be recorded as having "passed at the undergraduate level."

Students who have failed in required examinations are permitted to write supplemental examinations only on the recommendation of the major Department and with the permission of the Dean (see Section 16.)

THE MASTER'S DEGREE

33. (a) **Normal Procedure for the Master's Degree.**

At least one full session or two half-sessions of resident study at McGill University is required for a Master's degree; this is a minimum requirement, and it will usually be found impossible to complete the work for the degree within this time; the M.Sc. (Applied), the M.A. in Islamic Studies, the M.Arch. in Community Planning, and the LL.M. cannot be completed within one academic session, and the M.A. in Education requires participation in two Summer Schools as well as in a part-time winter session. Residence credit is not given for work done during the summer vacation, either at McGill (save in the French Summer School and in Education) or elsewhere; the majority of graduate students find it necessary, however, to devote the greater part of their summers to work upon the thesis problem. The procedure to be followed in applying for admission and in completing registration is described above (Section 6). The candidate is required to pass the examinations in the courses which have been indicated to him by the Department and which are recorded on his approved registration form (except such courses as are marked "not for examination") and he may also be required to pass a general examination in his major subject; the marks or classes he obtains in these examinations are part of his qualifications for the degree. The candidate must also present a thesis on some topic connected with his major subject, except in the case of the Master of Science (Applied). The title of the thesis may be entered upon the registration form, and if not decided at that date must be subsequently submitted, in writing, to the Chairman of the Department concerned and to the Dean for formal approval at least four months before the thesis is handed in. The thesis must be in some measure a contribution to knowledge and must also be written in good literary style. *For further regulations regarding theses, see Section 59, 60, and 61.*

(b) Candidates who intend to proceed later to the Doctor's degree should note the language requirements (Section 52) and are strongly advised to take the examination in at least one language while working for the Master's degree.

34. **Special Concessions for Civil Servants.**

With regard to the M.Sc. and M.Eng. (which may be the First year of the Ph.D. course), the following concessions are approved:

(a) Candidates for the degrees of M.Sc. or M.Eng. who are graduates of McGill University and have had two or more years' experience in a Government Department, performing as their main duty work of the same type as that proposed for research, may, on recommendation of a Department and with the approval of the Faculty, have their residence requirements reduced to one half-session only. It is understood that these candidates must take the usual final examination in all subjects required. The full sessional fee is payable.

No special concessions can be made to Civil Servants who are graduates of universities other than McGill.

(b) A Government laboratory may be approved by the Faculty as a research institution (see Section 44c).

35. **The Degree of Master of Arts.**

(a) Instruction in the Faculty of Graduate Studies and Research leading to the degree of Master of Arts is provided in the following Departments of study, which rank as "subjects":

Classics
Comparative Religion
Economics and Political Science
Education
English Language and Literature
French Language and Literature
Geography
German
History
Islamic Studies
Mathematics
Philosophy
Physics
Psychology
Sociology and Anthropology

Studies in other subjects, including sciences and certain theological studies (see p. 2654), may be undertaken as cognate courses only, and only with the permission of the Departments concerned.

(b) Candidates must hold the degree of B.A. They must have obtained at least a second class in an Honours course at McGill University, or its equivalent elsewhere, in the subject or subjects which they propose to study.

(c) The degree of Master of Social Work is administered by the Faculty of Arts and Science; enquiries should be addressed to the Director of the School of Social Work.

36. **The Degree of Master of Science.**

(a) Instruction in the Faculty of Graduate Studies and Research leading to the degree of Master of Science is provided in the following Departments of study:

Agricultural Bacteriology
Agricultural Chemistry
Agronomy
Anatomy
Bacteriology and Immunology
Biochemistry
Botany
Chemistry
Electrical Communications
Entomology
Experimental Medicine
Experimental Surgery
Genetics
Geography
Geological Sciences
Horticulture
Investigative Medicine
Mathematics
Metallurgy
Meteorology
Neurology and Neurosurgery
Nutrition
Parasitology
Pathology
Pharmacology
Physics
Physiology
Plant Pathology
Poultry Husbandry
Psychiatry
Psychology
Zoology

(b) Candidates must hold a Bachelor's degree with at least second class in an Honours course at McGill University, or its equivalent. Candidates with an M.D. degree must have attained high standing.

37. The Degree of Master of Engineering.

(a) Instruction for the degree of Master of Engineering is given in the following Departments of study, which rank as "subjects," in which definite courses may be selected:

Chemical Engineering
Civil Engineering
Electrical Engineering
Mechanical Engineering
Metallurgical Engineering
Mining Engineering

(b) Candidates must hold the degree of Bachelor of Engineering, or an equivalent degree, and their undergraduate academic rank must, in general, be equivalent to high second-class standing.

(c) The establishment of the degree of Master of Engineering does not prevent a properly qualified holder of the degree of Bachelor of Engineering, or the equivalent, from proceeding to the degree of Master of Science in pure science.

38. The Degree of Master of Architecture.

(a) Instruction for the degree of Master of Architecture is given in the following Departments of study, which rank as "subjects."

Architectural Design
Community Planning
Housing

(b) Candidates must hold the degree of Bachelor of Architecture or an equivalent degree, and their undergraduate rank must, in general, be equivalent to high second-class standing.

(c) One only of the above subjects may be taken.

Each candidate is required to take at least one course in his subject involving at least one year of resident study; in the Community Planning option requirements can not be completed in one year.

In addition he is required to meet in personal conference at least once a week the professor under whose supervision he is preparing his thesis.

39. Master's Degrees in Law.

(a) Instruction leading to the degree of Master of Civil Law (M.C.L.) is offered in the following departments of study:

Roman Law
Civil Law
Commercial and Maritime Law
Public Law, including International Law

At least one session of full-time resident study, or its equivalent, is required; this includes the passing of one or more courses and the preparation, under supervision, of an acceptable thesis.

(b) The degree of Master of Laws (LL.M.) is offered in the Institute of International Air Law only. The curriculum involves one full-time session of resident study including prescribed and elective courses; students whose work has been found satisfactory will be permitted to complete requirements for the degree by submitting an acceptable dissertation in a subsequent session, which need not be spent in residence.

(c) Applicants for admission to candidacy for the M.C.L. or LL.M. must hold an acceptable degree in Law or equivalent qualifications. For further particulars see page 2709, or consult the Secretary of the Faculty of Law.

40. The Degree of Master of Commerce.

This degree is at present suspended pending reconsideration.

41. The Degree of Master of Library Science.

The candidate must hold the degree of Bachelor of Library Science, or an equivalent degree, from an accredited Library School approved by McGill University. This degree must represent a fifth year of academic study in which the candidate has obtained at least a B average. Competence to undertake graduate study must have been demonstrated and at least two years of professional library experience is required. The student must show evidence of a reading knowledge of at least one language other than English before the degree is granted. The French language is recommended but another language may be accepted if appropriate to the work which the candidate intends to undertake. If courses taken previously by the candidate are considered inadequate for the graduate courses offered he may be required to undertake some additional courses in the Library School or elsewhere in the University.

Candidates should notify the Director of the Library School of their intention to follow the course leading to the M.L.S. degree as early as possible, preferably before August 1st. Formal application to the Faculty of Graduate Studies and Research should be made before September 10th.

42. Master's Degree in Theology.

(a) Applicants for admission to the course leading to the degree of *Sanctæ Theologiæ Magister* (S.T.M.) must hold the B.A. degree and the degree of B.D., or its equivalent, from a recognized university, college, or seminary. They must have sufficiently high academic standing and adequate preliminary training, including a knowledge of the requisite ancient or modern languages, for higher studies in the field selected. The M.A. is offered as well as the S.T.M., in the field of Comparative Religion, which is therefore open to other qualified applicants who do not hold the B.D. or equivalent.

(b) Candidates must undertake full-time resident study at McGill University for at least one academic session or two half-sessions, during which they will prepare for the examinations in the courses to which they are assigned. A thesis on an approved subject within the major field selected is a further requirement for the degree. For further particulars see page 2656.

43. Master's Degree in Science (Applied).

The degree of Master of Science (Applied) was established in 1949 to permit approved Departments to offer postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in other degrees of this Faculty but with no lower standards either for admission or for completion of requirements. Curricula of this type are at present available only in

the Departments of Psychology and Geological Sciences (Mineral Exploration), whose statements herein should be consulted, and lead to the degree of Master of Science (Applied) [M.Sc.(Appl.)]. (See pages 2697 & 2751.)

REGULATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

44. (a) Candidates for the degree of Doctor of Philosophy must hold the degree of B.A. with Honours, or B.Sc. with Honours, or B.Eng. or B.Com., or B.Sc. (Agr.) or M.D., with at least good second-class standing in each case, from McGill University, or some equivalent qualification.

(b) Many Departments will require candidates who do not already hold an appropriate Master's degree to register for the M.A. or M.Sc. rather than for the Ph.D. direct; but may later recommend to the Committee on Research that candidates of undoubted promise should be allowed to proceed directly towards the Ph.D. without being required to submit a Master's thesis; in other cases, permission to proceed towards the Ph.D. may depend on the standing obtained in the Master's degree.

(c) Candidates must follow a course of at least three years' resident study at a University or other institution of higher learning or research; this is a minimum requirement, and there is no guarantee that the work for the degree can be completed in this time. Two at least of these years must be spent at McGill University, and these should if possible include the final year. Departments may permit or require candidates to spend one session at another institution approved by the Committee on Research (for fees, etc., see Section 12); it is understood that this session must be one of full-time study, and that the institution selected must be able to provide expert supervision and facilities for research appropriate to the candidate, in the field selected. Candidates are therefore required to submit a programme of the work projected and particulars of the institution selected, for approval by the Committee, before undertaking any such period of study apart. They must register at McGill as non-resident students; and the Committee may require reports on progress from time to time or at the end of the period for which credit is claimed. The Faculty may make special exceptions to these general regulations concerning residence; it may permit McGill graduates, for example, to spend two years in study apart at approved institutions and to reside at McGill for the final year only. Residence credit is not granted for work done during the summer vacations, either at McGill or elsewhere; but it is the custom for candidates to spend the greater part of each summer in work upon the thesis problem, and those who do not do so are unlikely to

complete a satisfactory thesis in the prescribed minimum time; in certain subjects, *e.g.* in Agricultural sciences, summer researches are indispensable.

45. A student who has obtained his Master's degree at McGill University or at an approved institution elsewhere, and is proceeding in the same subject to a Ph.D. may, on recommendation of the Department, be permitted to count the work done for the former as the first year of his resident study for the Doctor's degree (see Section 44). The attention of students seeking admission on this basis is drawn to the language requirements (Section 52d), for which they are advised to prepare themselves in advance.

46. Candidates must select one major subject (see Section 31d). Courses leading to the degree of Doctor of Philosophy are offered in the following as major subjects:

Agricultural Bacteriology
Agricultural Chemistry
Agronomy
Anatomy
Bacteriology and Immunology
Biochemistry
Botany
Chemistry
Economics and Political Science
Electrical Engineering
Entomology
Experimental Medicine
Genetics
Geography
Geological Sciences
History
Investigative Medicine
Mathematics
Meteorology
Neurology and Neurosurgery
Parasitology
Pathology
Pharmacology
Physics
Physiology
Plant Pathology
Psychology
Zoology

47. In special cases, other Departments may be authorized to provide courses which will lead to this degree. Candidates desiring to proceed to the degree of Doctor of Philosophy in Departments other than those mentioned above should, therefore, make direct application to the Dean of Graduate Studies and Research, asking whether courses in such subjects can be provided.

48. The course of study which the candidate desires to follow must, before he enters upon it, have been submitted to the Chairmen of the several Departments concerned and have received their approval (see Section 6b).

49. **Preliminary Examination.** The first two years include instruction, training and direction in the candidate's field of study, with the object of giving him a knowledge of his particular subject and its relation to cognate branches of learning and of preparing him for independent investigation. The candidate's preliminary examination is held at the end of the second year, unless otherwise specified by Departmental regulations approved by the Faculty. This examination covers all graduate work previously taken by the candidate, including his prescribed reading, and may also include any work fundamental thereto. The candidate must show that he possesses a good general knowledge of the whole science or branch of learning which he has selected as his major subject. The examination may be written or oral or both. The result of this examination determines whether the candidate is allowed to proceed to his degree. The final year is devoted chiefly to the preparation of the thesis, the research for which is normally begun in the first year.

50. The candidate is also required to pass the examinations in the courses indicated by the Department, and recorded on his approved registration form, unless they have been marked "not for examination."

51. After the thesis has been received and approved, a final oral examination on the subject of the thesis and subjects more intimately related to it is held. This is conducted in the presence of a Committee of at least four members approved by the Faculty of Graduate Studies.

52. (a) Every candidate must satisfy the Faculty of Graduate Studies and Research that he has a reading knowledge of French and German; candidates may, however, seek the permission of the Dean to substitute another language for either French or German. The Departments of Agronomy, Parasitology, and Psychology may however require students to concentrate upon *one* foreign language, to be taken at a more advanced level.

(b) The candidate's major Department will select German passages for translation, typical of the subject, and will make arrangements for the examination. The Department of German must approve the passages selected, and will correct the translations and decide whether the candidate has fulfilled the requirements; it may also require any candidate to appear for oral examination. The Department of French will set and conduct its examinations.

(c) The examination in German 500 may be written in the first two weeks of December; other dates may be arranged on recommendation of the Department to the Dean. Examinations in French 500 will be held on Friday, December 4th, 1959, and on Friday, May 6th, and Friday, September 9th, 1960. Application should be made to the Dean's Office.

A student will not ordinarily be permitted to attempt any language examination on more than two occasions in any one calendar year. There is no fee for these examinations when they are first taken. A fee of $5.00 is however charged when these examinations are taken after a previous failure (see Section 17).

(d) Candidates are expected to take at least one language examination in the First year of the Ph.D. course, and the other not later than the Second year. Sessional registration forms (Section 6b) must indicate the student's intentions in this respect. Students admitted to the Second year of the Ph.D. course (Section 45) must discharge their language requirements as early as possible. Sessional registration forms which do not comply with these requirements may be rejected.

(e) The Department of German offers a course open to candidates for the Ph.D. degree and designed to help them to acquire the necessary reading knowledge of the language: two hours per week, Monday and Friday at 12 (See page 2700).

53. **Thesis.**

(a) The thesis for the Ph.D. degree must display original scholarship expressed in satisfactory literary form and be a distinct contribution to knowledge. The subject of this thesis must have been approved, in writing, by the Chairman of the Department in which the major subject is taken, and also by the Committee on Research, at least twelve months before the date of the final examination; the exact title may be decided later (Section 59d).

(b) Three copies of the thesis must be provided by the candidate; some Departments may require one or more additional copies.

(c) The regulations concerning theses are stated in Sections 59, 60, and 61.

54. Special regulations for the Ph.D. in Economics are stated on page 2662, in History on page 2701, and in Entomology on page 2678.

REGULATIONS CONCERNING THESES

59. (a) In the case of students who wish to graduate at the Spring Convocation, all theses for a Master's degree must be handed to the Dean of the Faculty of Graduate Studies and Research not later than April 13th, 1960.

(b) All theses for the degree of Ph.D. must be in the hands of the Dean not later than April 6th, 1960.

(c) The theses of students who wish to graduate with a Master's degree at the Fall Convocation must be in the hands of the Dean of the Faculty of Graduate Studies and Research not later than August 25th, 1959. In 1960 the deadline will be August 24th.

(d) The theses of students who wish to graduate as Doctors of Philosophy at the Spring Convocation must be in the hands of the Dean not later than April 6th, 1960. The Ph.D. will not be conferred at the Fall Convocation, save in certain special cases defined below. Ph.D. theses, provided that their titles have been approved by the Department and submitted to the Dean at least four months earlier, may, however, be handed in to the Dean's office at any time. The Dean will then submit the thesis to the examiners, and the final oral examination will be held at the first convenient time after the examiners have reported; this will ordinarily be about one month after the submission of the thesis, but from June to September (inclusive) two months or more may be required. Candidates are advised to give the Dean's office one or two weeks notice of their intention to submit the thesis; this will lessen the risk of delay. If all other requirements have been met, the examiners' reports are favourable, and the final oral examination is passed, the Dean will issue a certificate stating that all requirements for the degree have been completed and that, subject to the concurrence of Faculty and Senate, the degree will be conferred at the next Spring Convocation.

In all other cases, eligible candidates who have not received the degree at the Spring Convocation *must* register for the following session. If the student has completed *all* requirements, including the final oral, before that following session commences in mid-September, no fee will be required; in all other cases a fee of $10 (non-resident) or $50 (resident) will be charged. Such students should also remember the $10 fee for graduation *in absentia*.

The Ph.D. degree will be conferred at the Fall Convocation only in the following cases: (i) on candidates who had completed all requirements in time for the preceding Spring Convocation, but were prevented from graduating by illness or family misfortune; (ii) on students who, having completed all other requirements in time for the preceding Spring Convocation, had one required examination outstanding, and who subsequently pass this examination not later than September 15th; (iii) on students who, having completed all other requirements (including the final oral examination) in time for the preceding Spring Convocation, have had their theses returned for minor or typographical corrections, and have been permitted to resubmit a revised form; provided that the revised thesis is resubmitted not later than June 30th and is found to be acceptable.

(e) The title of the thesis, as approved by the Department, must be submitted for approval by the Committee on Research at least four months before the thesis is handed in. The Dean may subsequently permit minor changes in the wording of the title.

60. All theses submitted by successful candidates for higher degrees are bound and placed in the Library. Candidates for such degrees are therefore advised that the Faculty of Graduate Studies and Research requires theses to be prepared in accordance with the following specifications:

(a) Theses must be typewritten and in triplicate. Ultimately one copy is deposited in the McGill Library, one in the Departmental Library, and one is returned to the candidate.

(b) The left-hand margin must have a uniform width of not less than 1½ inches; this rule also applies to diagrams, etc. Drawings, maps, plates, etc., if larger than the prescribed page, may be folded and subsequently bound in only if the flap is not larger than 7 x 11 inches. Larger drawings, maps, etc., must be folded down to not more than 7 x 10 inches, so that they may be placed in pockets in binding.

(c) The paper must be of a good bond grade, and is to be of uniform size, 8½ x 11 inches. Theses on inferior grades of paper will not be accepted. This applies to the first two copies.

(d) No binding is necessary, but the loose sheets must be placed, unfolded, in a manila envelope in the order of their pagination. On the outside of each envelope must be written clearly the name of the candidate, full title of thesis, degree, date, and Copy I, II, or III. Students are also asked to suggest a short title of not more than 55 letters (excluding their surname) for the lettering along the back of the bound copy.

(e) Copies of the thesis must be double-spaced and free from typographical and other errors, otherwise they will be returned to the candidate for revision, with consequent delay in the granting of the degree.

(f) Every thesis should have a sufficient table of contents and a thorough bibliography on the subject. Scientific theses should also contain an introductory historical statement of previous work or investigation, and a summary. In the case of the Ph.D. degree, there should be a clear statement of the claim of original work or contribution to knowledge made by the author.

(g) The candidate is required to declare, generally in the preface and specifically in the text of the thesis, the extent to which assistance has been given by members of the staff, fellow-students, technicians, or

others, in the collection of material, the design and construction of apparatus, the performance of experiments, and the preparation of the thesis in general. This regulation does not apply to the normal supervision and advice given by the director of the candidate's research.

(h) If a thesis is rejected it cannot be submitted again, in a revised form, more than once (see Section 15).

(i) Unless there is a specific arrangement to the contrary, the candidate must understand that the University Library is free to allow the thesis to be consulted or borrowed, or to be issued in whole or in part in photostat or microfilm form.

SUMMARIES OR ABSTRACTS OF THESES

61. Three copies of a statement or abstract must also be presented, on a separate sheet, giving the author, title of thesis, and a summary not exceeding 150 words. One copy should be placed in each envelope, and the rules above as to format, margins, etc., will apply.

DEPARTMENT OF AGRICULTURAL BACTERIOLOGY

(Macdonald College)

Professor A. C. BLACKWOOD, *Chairman*

Associate Professor

Lecturers R. KNOWLES
G. A. JONES

Adequate laboratory and library facilities are available for courses leading to higher degrees, and for research. Candidates for the higher degree must meet the course requirements satisfactorily but are judged principally for their ability in research. Normally in this department the research problem will be on microbial physiology or on microbiological aspects of soil or food.

COURSES FOR HIGHER DEGREES

60. PHYSIOLOGY OF MICROORGANISMS (2 hours) *Professor Blackwood*

61. SOIL MICROBIOLOGY (2 hours) *Dr. Knowles*

62. FOOD MICROBIOLOGY (2 hours)

63. GRADUATE SEMINAR (1 hour) *Staff*

All graduate students are required to present seminars on selected topics and to prepare and discuss reports from the current literature.

REQUIREMENTS FOR DEGREE OF MASTER OF SCIENCE

1. Candidates are required to have the B.Sc. (Agr.) degree with high standing, or its equivalent with sufficient training in the subjects of the courses chosen for the higher degree. Students who lack such training must take the required courses of the final undergraduate year as well as courses in such other subjects as the department may require.

2. To fulfil minimum requirements candidates must take courses 60 and 63.

3. A satisfactory thesis based on the candidate's research must be presented.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates must demonstrate that they possess sound critical ability and capacity for research; they will be required to participate in the Graduate Seminar and may be required to take courses in other departments in cognate subjects.

DEPARTMENT OF AGRICULTURAL CHEMISTRY

(Macdonald College)

Professors	R. H. COMMON, *Chairman*
	W. A. DELONG
	H. G. DION
Associate Professor	B. E. BAKER
Assistant Professor	P. A. ANASTASSIADIS
Lecturer	G. O. HENNEBERRY

The Department works in close liaison with the Department of Physics, Macdonald College, and laboratory facilities for research thus include equipment for the use of radioactive tracers, X-ray spectrophotometry, differential thermal analysis, flame photometry, petrological microscopy of soils, electron microscopy, and mass spectrometry.

COURSES FOR HIGHER DEGREES

60. CHEMISTRY OF SOILS

2 lectures per week, second term. *Professor DeLong*
(*Not given in 1959-60.*)

61. PLANT BIOCHEMISTRY

2 lectures per week, second term. *Professor DeLong*

451 and 452. CHEMISTRY OF FOOD AND FEEDING STUFFS AND ADVANCED FOOD ANALYSIS

2 lectures per week, both terms. *Professor Common*

63. INDUSTRIAL UTILIZATION OF FARM PRODUCTS

2 lectures per week, second term *Professors Common and Baker*

Special laboratory work (three hours per week) may be required in any of these courses.

REQUIREMENTS FOR THE MASTER'S DEGREE

1. Candidates are required to have the B.Sc. (Agr.) degree with honours standing, or an equivalent qualification. Students holding a B.Sc. degree may be accepted if they have taken appropriate undergraduate work in chemistry with sufficient biology; otherwise a qualifying year will be required.

2. Candidates for the Master's degree are required to take the examinations in two of the courses for higher degrees given in the Department.

3. Candidates may be required to take the examination in one of the cognate courses listed below:

At Macdonald College:

Either Experimentation (Department of Agronomy, Course 444a) *or* Advanced Biophysics (Department of Physics, Course A).

At McGill University in Montreal:

Theoretical Organic Chemistry (Department of Chemistry, Course 200).

Kinetic Theory and Chemical Kinetics (Department of Chemistry, Course 44).

Chemical Thermodynamics and Electrochemistry (Department of Chemistry, Course 35).

Cellulose, Lignin and Related Compounds (Department of Chemistry, Course 203).

Protein Physical Chemistry (Department of Biochemistry, Course 44b).

Metabolism (Department of Biochemistry, Course 45).

Endocrinology (Department of Biochemistry, Course 32).

REQUIREMENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates will be judged principally by their ability in research. Special arrangements for course work will be made with the McGill Departments of Chemistry and Biochemistry.

DEPARTMENT OF AGRONOMY

(Macdonald College)

Professor	H. A. Steppler
Associate Professor	R. I. Brawn
Assistant Professor	H. R. Klinck
Lecturer	J. S. Bubar

The research program of the department is concerned with most phases of agronomic investigations, with particular emphasis on problems in plant breeding. Many research studies are carried out jointly or in co-operation with other departments, e.g. Genetics, Soil Chemistry, etc.

COURSES OFFERED FOR HIGHER DEGREES

60. STATISTICAL METHODS
Three lectures per week—both terms. *Professor Steppler*

64. SEMINAR
Weekly meetings; each student will present at least one seminar each term. All students must register for this course each year. *Staff*

65. FORAGE CROP EXPERIMENTATION
Two lectures per week—one term. *Professor Steppler*

66. PLANT BREEDING
Three lectures per week—both terms.
Professor Brawn, Mr. Bubar and Professor Klinck

67. METHODS OF AGRONOMIC RESEARCH
Two lectures per week—May to September. *Staff*

70. ADVANCES IN AGRONOMY
One lecture per week—both terms. *Staff*

75. COMPREHENSIVE PRELIMINARY EXAMINATION IN AGRONOMY
(See section 49 of this Announcement) *Staff*

NOTE: *A lecture may be replaced by a laboratory period of at least two hours*

In addition to the general regulations of the Faculty of Graduate Studies, the Agronomy Department has the following requirements:

For the Degree of Master of Science:

(1) Candidates are required to have the B.Sc.(Agr.) degree with high standing, or an equivalent qualification, with sufficient basic training in the courses chosen for the higher degree. Students who lack such training must take the required courses of the undergraduate years, as well as courses in such other subjects as the department may require.

(2) Students will be required to take courses 60, 64 and 67 and at least one other course of those listed. In addition, they may be required to take courses in cognate subjects.

(3) Since the research problems generally involve field experimentation, students will require at least 18 months and more frequently two years to complete the research and hence the requirements for the degree.

For the Degree of Doctor of Philosophy:

(1) Candidates must have an M.Sc. degree with specialization in Agronomy and a high standing achieved in both course work and thesis.

(2) Students will be judged primarily by their ability in conducting research.

(3) Students will be required to take course 75. Courses 64 and 70 will be taken in each year of resident study. Students may also be directed to take such other courses in Agronomy or cognate subjects as the department requires. Students who take their M.Sc. at McGill may be required to spend one session in study at another University (see section 44c of this Announcement).

DEPARTMENT OF ANATOMY

Professors	C. P. LEBLOND, *Chairman* C. P. MARTIN
Associate Professors	S. M. BANFILL J. LANGMAN
Assistant Professor	Y. CLERMONT
Research Associate, Demonstrator	H. ISLER
Lecturers	E. W. WORKMAN L. HELLER I. SMART
Teaching Fellows	N. J. NADLER B. PEREY

The department offers facilities for research work leading to the degrees of Master of Science and Doctor of Philosophy in Anatomy. The emphasis may be on Microscopic or Gross Anatomy or Embryology.

For registration as a graduate student, the candidate must hold a B.Sc. or M.D. degree or any equivalent degree, as judged by the Faculty, and must have displayed general proficiency in biological studies.

For the M.Sc. and Ph.D. degrees, the students must demonstrate the ability to conduct original research and complete a series of courses with high standing. In addition to the preparation of a thesis based on original research, Ph.D. candidates will write a comprehensive examination after the end of the Second year.

When the emphasis is on Gross Anatomy or Embryology, the students will take 1 (Gross Anatomy), 2A (Neuro-Anatomy), 7 (Experimental Morphology) and 8 (Embryology). Ph.D. candidates will be required to take courses such as 4 (Advanced Neuro-Anatomy) and 6 (Histology) and to extend their knowledge of Anatomy at an advanced level, including the use of technical procedures.

When the emphasis is on Microscopic Anatomy, students will take 6 (Histology), 7 (Experimental Morphology) and 8 (Embryology). Candidates for the Ph.D. degree will be required to take courses such as 1 (Gross Anatomy), 2 (Neuro-Anatomy), General Pathology and Advanced Endocrinology.

ADVANCED AND GRADUATE COURSES

4. ADVANCED NEURO-ANATOMY

2 evenings per week, first term. *Professor F. L. McNaughton (M.N.I.)*

7. EXPERIMENTAL MORPHOLOGY

(a) A seminar on biological problems—1 hour per week.

(b) A practical course on the planning of biological experiments, laboratory animal management and operations, histological and histometrical techniques, tracing methods (Radioisotope measurement by Geiger counter and localization in tissue section by radioautography), microphotography, statistical methods for assessing data, etc.

One hour lecture and 2 hours laboratory per week.

Professor Leblond and Dr. Isler

DEPARTMENT OF ANIMAL HUSBANDRY

Professor	E. W. CRAMPTON
Associate Professor	LIONEL H. HAMILTON
Assistant Professors	P. A. ANASTASSIADIS
	M. A. MACDONALD
	J. E. MOXLEY

No higher degrees are at present offered in Animal Husbandry but the following courses have been approved by the Faculty.

5. ADVANCED ANIMAL GENETICS

A critical analysis of recently published data underlying domestic animal improvement through the application of such principles and breeding methods as population genetics, inbreeding, cross breeding, heterosis, selection differentials, relationships, heritability and repeatability.

Professor Moxley

6. ADVANCED PHYSIOLOGY OF FARM ANIMALS

An integration of current research in physiology and its application to domestic animals with special reference to the energetics and manner of animal development; reproduction, milk secretion, intermediary metabolism and kidney excretion, research methods, experimental designs, and the interpretation of results including special applications of statistics in the analysis of physiological responses are considered.

Professor MacDonald

7. GRADUATE SEMINAR

Presentation and discussion of recent literature and its application to Animal Science; a study of experimental methods used and critical analyses of results and conclusions drawn from experimental work undertaken within the Department and elsewhere. *Staff*

SCHOOL OF ARCHITECTURE

Professor	JOHN BLAND, *Director*
Associate Professor	HAROLD SPENCE-SALES

COMMUNITY PLANNING

An interdepartmental Committee of the Faculty of Graduate Studies and Research offers a programme of graduate training for those wishing to

specialize in Community Planning. The Committee represents the Departments of Architecture, Economics, Political Science, Geography, Law, Social Work and Sociology. Candidates are required to meet the requirements for the Master's Degree of the departments in which they are registered. In addition candidates are required to attend a Graduate Seminar, Planning Workshop, and other courses that are recommended by the Committee according to the candidates' particular needs.

A number of Fellowships in Community Planning valued at $1,200 are usually offered every year by the Central Mortgage and Housing Corporation, Ottawa, from which particulars can be obtained.

Chairman of the Committee on Physical Planning
Professor H. Spence-Sales

1. SEMINAR IN COMMUNITY PLANNING
   2 hours per week. *Professor Spence-Sales*
2. PLANNING WORKSHOP
   2 hours tutorial and 8 hours problems. *Professor Spence-Sales*

COURSES FOR THE MASTER'S DEGREE IN ARCHITECTURE

1. ARCHITECTURAL DESIGN
   2 hours tutorial and 18 hours problems and report per week. *Professor Bland*
2. HOUSING.
   2 hours tutorial and 18 hours problems and reports. *Professor Bland*
3. Candidates will be required to attend the Seminar in Community Planning and one other course bearing upon their theses.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor	R. W. REED, *Chairman*
Associate Professors	G. G. KALZ
	J. W. STEVENSON
Assistant Professors	FRITZ BLANK
	C. A. BUTAS
	GRACE T. ROBERTSON
	A. M. MASSON
Lecturers	E. MANKIEWICZ
	B. H. MATHESON
	O. MORGANTE
	RAISSA SILOV

GENERAL QUALIFICATIONS FOR ADMISSION

A B.Sc. degree with at least second class Honours in Bacteriology and Immunology, or the degree of M.D.,C.M. with high standing in Bacteriology, Immunology, and Pathology, from McGill University, is required. The equivalent from elsewhere is recognized but this must be supported by confidential letters of recommendation from professors familiar with the candidate's work.

Candidates should forward their applications to the Dean before May 30th. Successful applicants will be notified before June 30th.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Candidates who have satisfactorily completed the Honours course in Bacteriology as undergraduates may present themselves for examination for the M.Sc. degree at the end of one year's graduate work in the Department. Others may be required to spend two years in the Faculty of Graduate Studies and Research, the first of which will be taking a Qualifying Course comprising the Honours undergraduate Courses 42, 43a and 44 and such other courses as the Department approves. Candidates taking the Qualifying Course must reach a satisfactory standard in the examination at the end of the year to be permitted to proceed to the second year work. In cases where good and sufficient reason is shown, in terms of equivalent work, the Department may exempt a candidate from the Qualifying Year. Exemption from a Qualifying Year may be gained by attaining second class marks in an Entrance Examination equivalent to the Examination for Honours in Course 42 and 43a. Candidates are required to present one topic for a Seminar and to attend Course 51 and with due approval may attend other courses in the University Departments. The candidate is required to pass a general examination in Bacteriology and Immunology, including subjects dealt with in Course 51, and may be required to pass examinations in courses prescribed by the Department. These examinations together with a thesis on a research problem will determine the award of the Degree in accordance with regulations.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for the Ph.D. degree are required to have obtained a satisfactory standing in their work for the M.Sc. degree (McGill).

Candidates are required each year to present one topic for a Seminar and attend Course 51 and may be required to attend cognate courses in

other Departments. Candidates are required to pass a general examination in Bacteriology and Immunology, but will be judged principally on the ability they display in research.

Candidates will be occupied mainly in original research and the preparation of a thesis in accordance with Faculty regulations.

ADVANCED UNDERGRADUATE COURSES

42. ADVANCED MICROBIOLOGY (one and a half courses). A systematic study of bacteria, viruses and medically important fungi. This class is limited in size and priority is given to honours students in the biological sciences.

Both terms: 3 lectures, 2 three hour laboratory classes.

Prerequisites: Bacteriology 31, Biochemistry 31.

Textbook: Topley & Wilson, Principles of Bacteriology and Immunology, 4th Edition (Arnold) 1956.

43a. IMMUNOLOGY (half course). A study of the fundamental aspects of antigen-antibody reactions and their practical applications.

First term: One lecture, 2 three hour laboratory classes.

Prerequisites: as for course No. 42.

Textbook: Carpenter, Immunology and Serology (Saunders), 1956.

44. BACTERIOLOGY SEMINAR (full course). Students are required to prepare and present two reviews on selected topics and must attend all seminars. The course is offered only to honours students in Bacteriology.

Prerequisites: as for course No. 42.

GRADUATE COURSES

51. GRADUATE SEMINAR

Lectures and discussions once a week. All graduate students are required to participate.

SPECIAL FACILITIES

The courses given by the Department in the Faculty of Arts and Science and the Faculty of Medicine are available to candidates for the M.Sc. and Ph.D. degrees

The practice of the Clinical Bacteriology services to the Hospitals is available to candidates as a means of instruction and a source of material for research and study.

DEPARTMENT OF BIOCHEMISTRY

Professors	D. L. THOMSON J. H. QUASTEL
Associate Professors	O. F. DENSTEDT K. A. C. ELLIOTT
Assistant Professors	E. H. CREASER E. A. HOSEIN P. G. SCHOLEFIELD

Candidates who have satisfactorily completed the Honours course in Biochemistry as undergraduates may present themselves for examination for the M.Sc. degree at the end of one year's graduate work in the Department; others will usually require a qualifying year. Candidates for the M.Sc. or Ph.D. must pass examinations in Biochemistry, but will be judged principally by the ability they display in research. Candidates for either degree are expected to attend the graduate courses listed below and may, according to their qualifications, be required to take undergraduate courses in Biochemistry or other cognate subjects. Research work will normally be carried on within the Department, where the main projects deal with blood chemistry and with the chemistry and metabolism of steroid hormones, but some students may be permitted to work on enzymology under Dr. Quastel in the McGill Montreal General Hospital Research Institute, or on neurochemistry under Dr. Elliott in the Montreal Neurological Institute, or in the biochemical laboratories of the Allan Memorial Institute of Psychiatry, or in the Division of Immunochemistry and Allergy, Department of Experimental Medicine (see page 2679) or by special arrangement in other laboratories within the University.

ADVANCED UNDERGRADUATE COURSES

32. ENDOCRINOLOGY
1 hour. *Professor Thomson*

43. ADVANCED BIOCHEMISTRY
3 hours. *Professor Denstedt*

44a. NUTRITION
3 hours, first term.

44b. PROTEIN PHYSICAL CHEMISTRY
3 hours, second term. *Professor Thomson*

45. OXIDATION AND METABOLISM
2 hours. *Professor Quastel and Staff*

GRADUATE COURSES

62 and 63. ADVANCED ENDOCRINOLOGY I AND II.

These alternating courses are given jointly with the Departments of Investigative and Experimental Medicine and Anatomy and others, and in co-operation with the Institute of Experimental Medicine and Surgery of the University of Montreal.

Course 63 deals with nitrogen-containing hormones; course 62 deals with steroid hormones. The former only will be given in 1959-60.

Texts: Selye, Textbook of Endocrinology; Pincus and Thimann, The Hormones (Academic Press).

71. FIRST GRADUATE SEMINAR
1 hour. *Staff*

72. SECOND GRADUATE SEMINAR
1 hour. *Staff*

73. THIRD GRADUATE SEMINAR
1 hour. *Staff*

Only one of the above seminars can be taken in any one session.

DEPARTMENT OF BOTANY

Professors	MURIEL V. ROSCOE, *Chairman*
	R. D. GIBBS
Associate Professors	C. M. WILSON
	G. H. N. TOWERS
Assistant Professors	W. G. BOLL
	P. F. MAYCOCK

Candidates who have satisfactorily completed the Honours course in Botany or its equivalent, if accepted, will enter immediately upon a programme of courses and research leading to either the M.Sc. or Ph.D. degree. (The Honours course in Botany consists of a minimum of six courses in advance of the elementary course, chosen from: Morphology, Taxonomy, Anatomy, Plant Physiology, Mycology, Plant Biochemistry, Genetics, Cytology, Economic Botany, Microtechnique and Morphogenesis with at least one course in Zoology and appropriate courses in Chemistry and Physics.)

Candidates who do not quite meet the requirements as set forth in the Honours Course may be accepted as full graduate students, but may be required to spend not less than two years on work for the M.Sc. degree.

Students with insufficient background to carry graduate work in Botany may enrol for a Qualifying Year and take such work as is prescribed up to a maximum of five full courses.

For the M.Sc. degree, a student must take a minimum of two full courses (or the equivalent in half courses) from those offered below. On the advice of the Director of Research one cognate course may be substituted. He will also carry out his research project and write a thesis. It is possible for well-qualified candidates to present themselves for the M.Sc. degree at the end of one year of graduate work.

For the Ph.D. degree, a student will take such additional courses as are required to round out his general background as well as those which relate to his particular line of specialization. In any case, he must take at least one course not included in his M.Sc. programme. Ph.D. candidates must pass a general examination in Botany and also demonstrate ability in research and preparation of a thesis.

The Department specializes in work bearing on comparative anatomy of vascular plants, morphology of reproduction, embryo-sac studies, carbohydrate and nitrogen metabolism, respiration and photosynthesis, comparative chemistry of plants as related to taxonomy, tree physiology, cytology, life histories of the lower fungi and morphogenesis.

Adequate laboratory and library facilities are available for research.

COURSES FOR HIGHER DEGREES

33. PLANT BIOCHEMISTRY

2 lectures; 2 laboratory periods. *Professors Gibbs and Towers*

(*Given in 1959-60; not given in 1960-61.*)

41. MICROTECHNIQUE

1 lecture; two laboratory periods. *Professor Roscoe*

45. PLANT MORPHOGENESIS (Full course). A survey of the physiological, biochemical, and genetic approaches to the experimental study of plant morphogenesis, including growth correlation, the function of plant hormones and the environmental control of plant development and morphology.

First term: 2 hours lectures and 3 hours laboratory.

Second term: 2 hours lectures and weekly seminar.

Prerequisite: Botany 11a, 11b, 31, and Genetics 21.

(*Not given in 1959-60; given in 1960-61.*)

Professor Boll

61. ADVANCED PLANT PHYSIOLOGY
2 lectures with laboratory. *Professors Towers and Boll*

63. PLANT ECOLOGY
Lecture, conference, field, and laboratory work. *Professor Maycock*

64. ANATOMY OF REPRODUCTION (Half course)
Lecture, conference, and laboratory work. *Professor Roscoe*

65. ADVANCED MYCOLOGY
Seminar, 2 hours. *Professor Wilson*

66. SPECIAL TOPICS (Full course or half course)
Prescribed reading, conference, and practical work on selected topics within Anatomy, Physiology, Taxonomy, Phytogeography, Ecology, Mycology, Plant Biochemistry, etc. *The Staff*

SEMINAR ON THE PLEISTOCENE AND ARCTIC, *see under Geography.*

DEPARTMENT OF CHEMICAL ENGINEERING

Professor J. B. PHILLIPS, *Chairman*

Assistant Professors W. J. M. DOUGLAS
K. A. SHELSTAD

Special Lecturer WILLIAM GAUVIN

61. ADVANCED CHEMICAL ENGINEERING
2 hours. *Dr. Gauvin*
Selected topics from flow of fluids, heat transfer and evaporation, with emphasis on transient systems; thermodynamics and operations based on the equilibrium concept, such as multiple-component rectification. Assignment of advanced problems. This course is open only to students who have had previous training in unit operations.

62. FLUID MECHANICS AND PARTICLE DYNAMICS
2 hours. *Dr. Gauvin*
Development of basic differential equations of fluid motion and their application to potential flow, and to laminar and turbulent flow in closed circuits and past immersed bodies. The Boundary Layer Theory and the concepts of turbulence. Dynamics of small particles and statistical treatment of particulate systems. Application of the fundamental principles to the problem of heat, mass, and momentum transfer in solid-gas systems, such as pneumatic conveying, spray-drying, and flash-drying.

63. CHEMICAL ENGINEERING RATE OPERATIONS

2 hours. *Professor Douglas*

Advanced treatment of a number of Chemical Engineering operations which are analysed by means of rate equations. Topics are chosen principally from the areas of chemical reaction rates, mass transfer including diffusional and bulk transport rates, and heat transfer.

64. HEAT AND MASS TRANSFER IN DISPERSED SYSTEMS

2 hours. *Professor Shelstad*

Heat transfer in packed beds and in fluidized beds of solid particles. The use of adsorbents and of packed towers in separating mixtures of gases and mixtures of liquids.

REQUIREMENTS FOR MASTER'S DEGREE

The following are required for the Master of Engineering degree:

1. At least two graduate courses in Chemical Engineering.
2. At least one other advanced course, usually in Chemistry, Physics, or Mathematics.
3. Chemical Engineering Colloquium.
4. Thesis on a Chemical Engineering subject. The experimental work would be in heat transfer, distillation, absorption, extraction, drying, and applied physico-chemical problems.

REQUIREMENTS FOR THE Ph.D. DEGREE

Students having the approval of the Dean of Graduate Studies and Research may proceed to the degree of Doctor of Philosophy in Chemical Engineering.

All the general regulations of the Faculty of Graduate Studies and Research for the Ph.D. degree will apply.

In addition to the courses required for the Master's degree, a student will take such graduate courses in Chemical Engineering and advanced cognate courses as may be required by the department.

DEPARTMENT OF CHEMISTRY

Professors CARL A. WINKLER, *Chairman*
C. B. PURVES
L. YAFFE

Associate Professors	R. K. Holcomb
	J. H. Mennie
	R. V. V. Nicholls
	A. S. Ross
	H. I. Schiff
	A. Taurins
Assistant Professors	J. T. Edward
	G. E. Just
	M. Onyszchuk
	R. F. Robertson
	A. Sehon
Research Associates	D. A. I. Goring
	O. Maass
	R. St. J. Manley
	S. G. Mason
	W. A. Mueller
	A. A. Robertson
	T. Timell

Adequate laboratory and library facilities are available for the courses listed below and for research. The Pulp and Paper Research Institute affords ample facilities for research on the structure and properties of carbohydrates, cellulose, lignin, wood, and pulp and paper.

Any of the following courses may be required of a student who is admitted to the Graduate School if the equivalent has not been taken previously.

31. ATOMIC STRUCTURE AND VALENCE THEORIES
2 hours. *Professors Onyszchuk and Yaffe*

34L. PHYSICAL CHEMISTRY LABORATORY (INTERMEDIATE). Simple physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids, and solutions.
3 hours laboratory. *Professor Ross*

Text: Daniels, Mathews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Livingston, Physico Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

35. CHEMICAL THERMODYNAMICS AND ELECTROCHEMISTRY. First and second laws, entropy, free energy, activity and fugacity in ideal and real solutions;

Solutions of strong electrolytes. Electrode potentials, electrochemical cells, electrolytic conduction and electrolysis, specific and equivalent conduction, mobility and transport numbers, overvoltage and polarization.

3 hours. *Professor Robertson*

Texts: Klotz, Chemical Thermodynamics (Prentice-Hall); Lewis and Randall, Thermodynamics (McGraw-Hill); Glasstone, Introduction to Electrochemistry (Van Nostrand); MacInnes, The Principles of Electrochemistry (Reinhold).

40. CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS. Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical and mechanical properties; experimental methods for controlling and determining structure of polymers; properties of commercially available materials; methods of fabrication.

1 hour. *Professor Nicholls*

41. INORGANIC CHEMISTRY (ADVANCED). Selected topics in modern inorganic chemistry.

2 hours. *Professors Holcomb, Onyszchuk and Yaffe*

41L. INORGANIC CHEMISTRY LABORATORY (ADVANCED). An introduction to modern techniques for the preparation of inorganic compounds.

3 hours laboratory, first term. *Professors Holcomb and Onyszchuk*

42. ORGANIC CHEMISTRY (ADVANCED). Selected topics in modern organic chemistry, including natural products, stereochemistry and reaction mechanisms.

2 hours. *Professor Edward*

42L. ORGANIC CHEMISTRY LABORATORY (ADVANCED). An introduction to modern techniques in organic chemistry, including chromatrography of various types, extraction, electrophoresis, etc.

3 hours laboratory. *Professor Edward*

Text: Linstead, Elvidge and Whalley, A Course in Modern Techniques of Organic Chemistry (Butterworth).

43. INSTRUMENTAL METHODS OF ANALYSIS. An introduction to modern techniques of analysis including polarography and amperometric titration, spectrophotometry, mass spectrometry, gas chromatography, measurements of radio-activity, etc.

1 hour, first term.

3 hours laboratory, second term. *Professor Mennie and others*

44. KINETIC THEORY AND CHEMICAL KINETICS. Description of physical phenomena in terms of statistical distribution functions; concept of cross-section; transport phenomena; dynamics of two-particle encounters; measurement and calculation of rates of chemical reactions; energetics of reactions; theories of reaction mechanism; heterogeneous and homogeneous catalysis.

2 hours *Professor Sehon*

References: Moelwyn-Hughes, Physical Chemistry (Pergamon Press); Glasstone, Textbook of Physical Chemistry (Van Nostrand); Present, Kinetic Theory of Gases (McGraw-Hill); Laidler, Chemical Kinetics (McGraw-Hill); Trotman-Dickenson, Gas Kinetics (Butterworth).

44L. PHYSICAL CHEMISTRY LABORATORY (ADVANCED). More advanced physico-chemical methods applied to equilibria, reaction kinetics, colloids, and electrochemistry.

6 hours laboratory. *Professor Ross*

Text: Daniels, Mathews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Weissberger, Technique of Organic Chemistry, Vol. I, Physical Methods, Vol. IV, Distillation, Vol. VIII, Investigation of Rates and Mechanisms of Reactions (Interscience); Reilly and Rae, Physico-Chemical Methods (Van Nostrand).

45. CHEMICAL THERMODYNAMICS (ADVANCED)

2 hours, plus problem class. *Professor Schiff*

References: Sillén, Lange and Gabrielson, Problems in Physical Chemistry (Prentice-Hall); Lewis and Randall, Thermodynamics (McGraw-Hill); Klotz, Chemical Thermodynamics (Prentice-Hall); Paul, Principles of Chemical Thermodynamics (McGraw-Hill); Dole, Introduction to Statistical Thermodynamics (Prentice-Hall).

46. COLLOID CHEMISTRY. Descriptive, thermodynamic and kinetic treatment of properties of surfaces, sols, emulsions, gels.

1 hour. *Professor Robertson*

References: Weiser, Colloid Chemistry, 2nd ed. (Wiley); Adam, Physics and Chemistry of Surfaces, 3rd ed. (Oxford); Brunauer, Adsorption of Gases and Vapors, Vol. I (Princeton); Alexander and Johnson, Colloid Science (Oxford); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons and Straumanis, Short Textbook of Colloid Chemistry; Gregg, The Surface Chemistry of Solids (Reinhold).

GRADUATE COURSES

100. SPECIAL TOPICS. Critical and original essays are required on various subjects of current interest in chemistry.
2 hours. *Staff*

101. INFRARED SPECTROPHOTOMETRY. (For graduate students in Chemistry only) Theory of infrared spectra, their interpretation and application to the determination of molecular structure. Laboratory exercises, including preparation of samples and instrumentation.
2 hours, one term. *Professor Taurins*

200. THEORETICAL ORGANIC CHEMISTRY. Interpretation of molecular structure, and reactivity of organic compounds in terms of electronic structure, resonance and molecular orbitals. Mechanisms of organic reactions, ionic and free radical, including substitution, addition, elimination, rearrangement and polymerization. Fundamental principles of ultraviolet, visible and infrared spectrophotometry.
3 hours. *Professor Taurins*

201. HETEROCYCLIC COMPOUNDS. A selection of advanced topics on the structure, reactivity and methods of synthesis of heterocyclic compounds containing oxygen, nitrogen and sulphur as heteroatoms.
1 hour. *Professor Taurins*

202. NATURAL PRODUCTS. A study of recent investigations, mainly in the field of alkaloids and terpenes, to illustrate modern methods of determining structure, and the application of stereoelectronic theory to complex molecules.
1 hour. *Professor Edward*

203. CELLULOSE, LIGNIN, AND RELATED COMPOUNDS. The chemistry of some typical polysaccharides, including plant gums, pectins and hemicelluloses, is first outlined; wood lignin, the linear structure, the polymolecularity, and the supermolecular structure of cellulose are then discussed.
2 hours. *Professor Purves and Dr. Timell*

300. RADIOCHEMISTRY. Nuclear properties; semi-empirical mass formula; isobaric behaviour; modes of radioactive decay; nuclear reactions; compound nucleus; cross-sections; high energy reactions; instruments and techniques used in measurement and study of radiations; methods of isolation, concentration and identification of radioactive nuclides; chemistry of low concentrations; some applications of radioactive tracers.
1 hour. *Professor Yaffe*

301. SELECTED TOPICS IN RADIOCHEMISTRY. This course is designed to be of a more general nature than Chemistry 300. A number of lectures will be given dealing with fundamentals of radio-chemistry, radio-tracer techniques and applications. The remainder of the lectures will be devoted to special topics including isotope effects, exchange reactions, C^{14} dating technique, synthesis of the new elements, etc.

Professor Yaffe

1 hour.

400. SELECTED TOPICS IN POLYMER AND COLLOID SCIENCE. The topics include the following: Solution properties of macromolecules; kinetics of polymerization; determination of molecular weight and shape; phase transitions in polymers; X-ray diffraction; monomolecular layers; stability of colloids; electrical double layers; polyelectrolytes; proteins, etc.

Dr. Mason and Associates

2 hours.

401. CHEMICAL KINETICS. Advanced treatment of selected topics in chemical kinetics and photochemistry.

Professor Sehon

2 hours.

402. STATISTICAL THERMODYNAMICS. Introduction to quantum mechanics, Schroedinger equation, solution of wave equation for simple models; Bose-Einstein and Maxwell-Boltzmann statistics; partition function for the models; calculation of thermodynamic quantities. Application to simple molecules, using spectroscopic data.

Professor Schiff

2 hours.

500. COLLOQUIUM—ORGANIC

Each student is required to participate in Research Colloquia which are held bi-monthly. These involve the presentation and discussion of papers dealing either with the student's own research or with recent research publications.

Staff

501. COLLOQUIUM—INORGANIC AND PHYSICAL

Staff

As above.

APPLICATIONS FOR ADMISSION

If possible a candidate should specify the field of research in which he is interested.

Candidates accepted for graduate work may begin research on June 1st.

Those students in the Graduate School who are awarded demonstratorships are required to devote not more than 12 hours to instruction in undergraduate laboratories per week during the academic session.

REQUIREMENTS FOR THE MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY DEGREES

I. Students must take such examinations as may be required in (a) Organic, (b) Inorganic and Radiochemistry, (c) Physical, (d) Colloid Chemistry, (e) Cellulose Chemistry and (f) assigned cognate courses given in other departments.

II. Research in this Department may be conducted in: (a) Organic Chemistry, (b) Inorganic and Radiochemistry, (c) Physical Chemistry, (d) Colloid Chemistry, (e) Cellulose Chemistry, (f) Immunochemistry.

III. Thesis on the candidate's research.

IV. Oral examination on the thesis and related subjects, required only of candidates for the Ph.D. degree.

FINANCIAL ASSISTANCE

It is usually possible to provide financial assistance during the four summer months. Financial assistance during the academic session is generally available in the form of demonstratorships or scholarships and occasionally by payment from research funds.

EXAMINATIONS IN CHEMISTRY

1. Examinations are normally taken by the candidate in May. In special circumstances, and with the permission of the Department, they may be taken in September.

2. A candidate for the Ph.D. degree shall pass all examinations, other than those in certain special courses, before the final year, except in special circumstances and then only with the approval of the Department.

3. A candidate who may wish to take examinations in any one or more subjects in September of his entrance year is advised to consult the Chairman of the Department as soon as possible.

4. Students who register for an M.Sc. degree at McGill may, with the approval of the Department and the Dean of the Graduate Faculty, continue to the Ph.D. degree without submitting a Master's thesis.

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS

Professors CARLETON CRAIG, *Chairman*
J. L. DESTEIN

Associate Professor ANDREJS PAKALNINS

Adequate laboratory and library facilities are available for the courses listed below. Facilities for research are available in the following fields:

(a) reinforced concrete structures

(b) strength and stability of steel and light alloy structures

(c) soil mechanics

(d) hydraulics

COURSES FOR THE MASTER'S DEGREE

60. STATICALLY INDETERMINATE STRUCTURES
First term, 2 hours tutorial, and 6 hours computation and reports.
Professor Craig

61. TECHNICAL ELASTICITY
First term, 2 hours tutorial, and 6 hours computation and reports.
Professor Craig

62. STRUCTURAL ANALYSIS
First term, 2 hours tutorial, and 6 hours computation and reports.
Professor deStein

63. HIGHWAY ENGINEERING
4 hours tutorial, and 12 hours computation and reports.
Professor Pakalnins

64. HYDRAULIC ENGINEERING
First term, 2 hours tutorial, and 6 hours computation and reports.
Professor Craig

65. SOIL ENGINEERING
First term, 2 hours tutorial and 6 hours computation and reports.

66. MUNICIPAL ENGINEERING
Advanced course of design and economics of Public Water Supply, Sewerage, Sewage and Wastes Treatment.
First term, 4 hours tutorial, and 6 hours computation and reports; second term, 2 hours tutorial. *Professor Pakalnins*

Candidates for the M.Eng. degree will be expected to take at least two courses in addition to thesis work.

DEPARTMENT OF CLASSICS

Professor (Post-retirement) C. H. CARRUTHERS

Associate Professors P. F. MCCULLAGH, *Chairman*
E. M. COUNSELL

Assistant Professor C. D. GORDON

Lecturer G. R. VALLILLEE

COURSES FOR THE DEGREE OF MASTER OF ARTS

CLASSICS 60. STATE AND INDIVIDUAL: POLITICAL AND ETHICAL CONCEPTS OF THE GREEKS AND ROMANS

An intensive study of selected source material (Greek and Latin), illustrating various stages of ethical and political thought in the ancient world.

2 hours colloquia. *Professor McCullagh*

GREEK 62. READINGS IN THE GREEK HISTORIANS

3 hours. *Professor Gordon*

GREEK 63. HOMER, ODYSSEY.

3 hours. *Mr. Vallillee*

LATIN 70. LUCRETIUS

Lucretius' status as poet, philosopher and scientist.

3 hours. *Professor Carruthers*

LATIN 73. LATIN OF THE SILVER AGE

2 hours colloquia. *Professor Counsell*

LATIN 74. CICERO THE HUMANIST

An examination of selected ethical, political and religious writings of Cicero.

2 hours colloquia. *Professor McCullagh*

LATIN 75. ROMAN HISTORY

A study of the original Latin sources, literary and epigraphic, dealing with selected problems of late republican and early imperial history.

2 hours colloquia. *Professor Gordon*

LATIN 76. LATIN PROSE COMPOSITION

1 hour. *Professor Counsell*

LATIN 77. GREEK PROSE COMPOSITION

1 hour. *Professor Counsell*

80. INTRODUCTION TO THE STUDY OF LANGUAGE (LINGUISTICS 221)

3 hours. *Professor Carruthers*

DEPARTMENT OF DIVINITY

Professors

S. B. FROST, *Dean*
E. G. JAY
W. C. SMITH
J. S. THOMSON
H. H. WALSH

Lecturers

C. J. ADAMS
J. A. BOORMAN

Requirements for admission to the course leading to the degree of *Sanctæ Theologiæ Magister* (S.T.M.) are stated on page 2626. The usual rules and regulations of the Faculty will apply. In the special field of Comparative Religion, the M.A. degree is also offered, for candidates who do not have the B.D. or its equivalent.

The staff offers each session a selection from the following list of courses, and is prepared to guide students in thesis research on approved topics, within each of the following fields: Old Testament language and literature; New Testament language and literature; Systematic Theology, including Christian Ethics; Philosophy and Psychology of Religion; Church History; and Comparative Religion. To each approved student appropriate courses will be assigned, on occasion including courses offered by other Departments such as Philosophy, History, Classics, or Islamic Studies. Graduate students in these Departments may be permitted or required to take courses currently offered in Divinity.

Adequate library facilities are available in Divinity Hall and elsewhere for the courses listed, and for research.

COURSES IN DIVINITY

61. THE DOCTRINE OF THE TRINITY
2 hours. *Professor Jay*

65. THE NATURE AND FUNCTION OF THE CHURCH
2 hours. *Professor Jay*

73. THE SEPTUAGINT AND THE NEW TESTAMENT
2 hours. ———

74. ST. PAUL'S EPISTLE TO THE ROMANS
2 hours. ———

75. CONTEMPORARY PROBLEMS IN NEW TESTAMENT THEOLOGY ———

76. THE EPISTLE TO THE EPHESIANS
2 hours. ———

84. THE QUMRAN COMMUNITY
2 hours. *Professor Frost*

90. INTRODUCTION TO CANADIAN CHURCH HISTORY. The origins of the various churches in Canada.
2 hours. *Professor Walsh*

91. PROBLEMS OF CHURCH AND STATE. A study of the relations of Church and State during the revolutionary period in France.
2 hours. *Professor Walsh*

92. THE HISTORY OF THE DOCTRINE OF THE ATONEMENT
2 hours. *Professor Thomson*

93. THE SOCIAL TEACHINGS OF THE CHRISTIAN CHURCHES SINCE 1900
2 hours. *Professor Walsh*

94. SELECTED PSALMS (Hebrew and Greek Texts and Exegesis).
2 hours. *Professor Frost*

95. THE HISTORY OF THE HOUSE OF ZADOK
2 hours. *Professor Frost*

COURSES IN COMPARATIVE RELIGION

101. HISTORICAL DEVELOPMENT OF ISLAMIC THEOLOGY. See page 2703.
2 hours. *Professor Smith*

103. SEMINAR IN COMPARATIVE RELIGION. The multi-religiousness of mankind, considered socio-politically, philosophically, and, from the viewpoint of each of the major world faiths, theologically.

Note: This seminar will not be held unless members of at least two different religions participate.

2 hours. *Professor Smith*

105. CHRISTIANITY AND OTHER RELIGIONS

2 hours. *Professor Smith*

106. CHRISTIANITY AND ISLAM

2 hours. *Professor Smith*

The courses in Islamic religion are given in conjunction with the Institute of Islamic Studies (see page 2704). Other courses will be made available if qualified students present themselves.

Note: Graduate Courses in Philosophy of Religion will be announced at the beginning of the Academic Year.

DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE

Professors
G. E. G. CATLIN, *Chairman*
E. F. BEACH
F. C. JAMES
D. L. MACFARLANE
J. R. MALLORY
H. D. WOODS
D. M. WRIGHT

Associate Professors
IRVING BRECHER
MICHAEL BRECHER
K. B. CALLARD
J. T. CULLITON
C. B. HAVER
M. C. KEMP
J. C. WELDON

Assistant Professors
D. E. ARMSTRONG
S. J. FRANKEL
M. K. OLIVER
R. C. PRATT (*on leave of absence*)

GRADUATE SEMINARS

A graduate seminar will normally meet for two hours each week throughout one term. Reading and preparation require substantial additional time. At the graduate level the student is expected to concentrate wholly on either economics or political science.

Seminars in Economics

511. THEORY OF THE FIRM I. A specialized study of the theory of the process of the firm.
First term. *Professor Beach*

512. THEORY OF THE FIRM II. A study of the theory of the firm as adapting itself to, and cushioning itself from, often unforeseeable economic and technical change, cyclical movements, and social disturbance; also as initiating innovation.
Prerequisite: Economics 511. *Professor Wright*

513. WELFARE ECONOMICS. This course is intended for graduate students who have had a course in advanced theory and who, in particular, are well acquainted with modern demand theory. It is intended as a supplement to descriptive and analytical economics.
First term. *Professor Kemp*

521. ADVANCED MONETARY THEORY
Second term. *Professor Kemp*

522. MACRO-ECONOMICS. Determinants of the general levels of income, employment, prices, production; economic fluctuations; economic trends; under-employment equilibrium and secular stagnation; conditions of economic progress; fiscal and monetary policies for maintaining full employment and preventing inflation.
First term. *Professor Wright*

523. THEORY OF ECONOMIC CHANGE. Methodological critique of modern, Keynesian, and classical theories of economic change and development, restatement of problems for analysis, analytical study of models involving population and technological changes in the economy as a whole and the cultural conditions accompanying them.
First term. *Professor Wright*

524. INTERNATIONAL ECONOMICS. Selected problems in the theory of international trade and foreign exchange.
Second term. *Professor Weldon*

531. CANADA-UNITED STATES ECONOMIC RELATIONS. A study of key issues affecting economic relations between Canada and the United States. Among the topics analyzed will be foreign investment, the balance of payments, business fluctuations, and commercial and agricultural policies.

Second term. *Professor Irving Brecher*

532. TRANSPORTATION. A study of the economics of transportation; its relation to the general body of economic theory; government regulation with emphasis on factors that fashion it.

Both terms. *Professor Culliton*

541. LABOUR ECONOMICS. Special problems of labour and management.

Second term. *Professor Woods*

561. ECONOMETRICS. The application of mathematics and statistics to the study of economics. An acquaintance with calculus and elementary statistics is assumed.

Second term. *Professor Kemp*

581. AGRICULTURAL ECONOMICS. The nature of agricultural production; the economics of size in agriculture; intensity of production; the pricing mechanism for farm products; agriculture in world commerce, FAO, ITO; the role of agriculture in the Canadian economy; economic problems confronting the Canadian farm industry.

First term. *Professor MacFarlane*

582. AGRICULTURAL POLICY. The nature and objectives of policy; use of economic analysis as a guide to formation and appraisal of agricultural policy; fallacies; the time dimension; reconciliation of conflicts; problems confronting agriculture—instability, inter-industry and interregional inequality, poverty and inefficiency; policies for achieving greater economic welfare and progress.

Second term. *Professor Haver*

Seminars in Political Science

515. POLITICAL THEORY. A seminar in contemporary political science, with reference also to political philosophy and to the psychological bases and sociological affiliations of politics.

Second term. *Professor Catlin*

Prerequisite: Political Science 311 or its equivalent.

525. POLITICAL INSTITUTIONS. A study of the problem of governments and politics in a selected area. *Professor Mallory*

544. INTERNATIONAL RELATIONS. A seminar on selected problems of international politics and organization.

Second term. *Professor Michael Brecher*

545. PUBLIC ADMINISTRATION. A problem of contemporary administrative interest will be selected for analysis. The exact topic will be announced later.

Second term. *Professor Callard*

546. REGIONAL PLANNING (ARCHITECTURE B). A seminar on the problems of regional planning, not for course credit.

Both terms. *The Inter-Departmental Committee on Regional Planning*

THE STAFF SEMINAR

The Staff Seminar of the Department of Economics and Political Science meets once each week during term to discuss papers presented by members of the staff and, occasionally, by visitors to the university. All graduate students are entitled to attend. The purpose of the Seminar is to enable staff and students to discuss informally topics of current research interest in the belief that such regular discussion will stimulate the research of staff and students alike.

REQUIREMENTS FOR THE MASTER'S DEGREE

Students who have obtained at least second class standing in the honours B.A. course in Economics and Political Science in McGill University, or who have completed at least three full courses in Agricultural Economics at Macdonald College and at least two full courses in Economics and Political Science at McGill, with at least second class standing, are eligible for admission to the M.A. course. Students who hold the B.Com. from McGill with at least second class standing over-all and in all the required courses in Economics are eligible for admission to the M.A. course. Students with equivalent qualifications from other approved institutions are also admissible. Since graduate work is normally undertaken in only one of the two subjects within the Department, i.e. Economics or Political Science, applicants may be admitted who have acceptable qualifications in either Economics or Political Science.

Candidates for the Master's degree must pass the examinations set on the work of two of the Seminars listed above. In addition all candidates are required to prepare themselves, under the direction of a member of the Department, for a Comprehensive Oral Examination in three fields of study, one of which must be Political or Economic Theory. The results

of these examinations will determine not only the candidate's qualifications for the Master's degree, but also if he may continue for doctoral study. A pass for the Master's degree does not necessarily imply permission to proceed for the doctorate.

Preparatory work for the Comprehensive Oral Examination. In preparing for the Oral Examination candidates will follow courses of reading or lectures which their directors of research may consider necessary in each individual case.

Optional Fields for the Comprehensive Oral Examinations:

Economic Theory; Economic History; Economic Policy; Econometrics; Money and Banking; Labour Economics, International Economics; Agricultural Economics; Economics of Transportation; Political Theory; Comparative Government; American Government; British Commonwealth Governments; Canadian Government; Public Administration; International Politics and Organization.

A Thesis on an approved subject is required.

REQUIREMENTS FOR THE Ph.D. DEGREE

Students who have achieved high standing in the M.A. in Economics, or Political Science, or the M.Com., at McGill University, or have equivalent qualifications, may be permitted to proceed to the Ph.D. in two further years, one of which may be spent at an approved institution elsewhere. Students from institutions other than McGill are required, in their first year of residence, to pass the two seminars prescribed for the Master's degree. Students for the Ph.D. are required to take one additional seminar in their second year of residence at McGill, and additional seminars may be required of particular students in that year if recommended by the student's director of studies. In the case of additional seminars beyond the two required for the M.A., the Department may, in the case of students permitted to spend one or more years at another university, recognize seminars taken there in fulfilment of this requirement.

All candidates for the Ph.D. must pass a comprehensive oral examination in three fields of study, one of which must be Political or Economic Theory. The examination must be offered from among the fields of study enumerated under *Requirements for the Master's Degree*, and is set at a higher standard than that required for the Master's degree.

All doctoral candidates must pass an examination in unseen translation from authors in two modern languages other than English. French-speaking candidates may translate into French, but in that case one of the languages from which they translate must be English. A Thesis on an approved subject is required.

McGill University is now prepared to offer instruction at the Master's level in all the usual branches of Economics and Political Science. For the Ph.D., however, McGill is prepared to accept candidates only in the following branches: Economic Theory, Public Finance, Fiscal and Monetary Policy; Banking; International Trade; Employment Theory; Labour Economics, including wage theory and policy; Regional Economics and Economic Geography; Agricultural Economics; Political Theory; Legal Theory; Comparative Government and Comparative Legal Systems; Canadian Government and Constitution; Commonwealth Governments and Commonwealth Relations.

GRADUATE PROGRAMMES IN CO-OPERATION WITH OTHER DEPARTMENTS

The general requirements of the Department for the Master's degree, viz. the Comprehensive Oral Examination (including the required subject in political or economic theory), the two required Seminars, and the Thesis, must be met by all candidates. The two following programmes for candidates with specialized interests are offered in co-operation with other Departments in the Faculty of Graduate Studies. Programmes can also be arranged in co-operation with the Institute of Islamic Studies.

1. COMMUNITY PLANNING

An inter-departmental Committee of the Faculty of Graduate Studies offers a programme of graduate training for those wishing to specialize in Community Planning. The Committee represents the Departments of Architecture, Engineering, Geography, Sociology, and Economics and Political Science. Specialized instruction in the form of a Graduate Seminar, Courses of Instruction, and Laboratory Work is offered by qualified members of the Departments concerned. Candidates are required to meet the degree requirements of the departments in which they are registered. Students in Economics and Political Science will offer the Seminar in Community Planning (listed as Course No. 546 above) as one of the required Seminars for the degree, and will write a thesis on a topic related to Community Planning.

2. INTERNATIONAL RELATIONS

Candidates wishing to specialize in International Relations will be expected to meet the normal degree requirements of the Department, while offering International Politics and Organizations as one of the fields for the Comprehensive Examination, and writing a thesis on an approved topic in international relations. Supplementary courses of interest to students in International Relations may be found in the Department of History, Faculty of Law, and Department of Geography, and in the Institute of Islamic Studies. Students who require them may take such

courses, with the consent of the department concerned. Where appropriate Graduate Seminars are offered, as in the Faculty of Law or in Islamic Studies, they may, with the consent of the department or faculty concerned and the Department of Economics and Political Science, be offered in fulfilment of the Seminars required in Economics or Political Science.

3. ISLAMIC STUDIES

Students may, with the approval of the Department and of the Institute of Islamic Studies, take certain courses offered in Islamic Studies as part of a programme emphasizing the problems of the Islamic World. Students will be required to meet the normal degree requirements of the Department, together with appropriate courses in Islamic Studies, and write their theses on problems in some area of economics or political science relevant to Islamic studies. In certain cases a graduate seminar in Islamic Studies may be substituted for one of the seminars required to be taken in the Department. In general, the above programme may be permitted for students in Political Science whose main field of study is Comparative Government, International Relations, or Political Theory, and students in Economics whose main field is either the Theory of Economic Development or Economic History.

NOTE FOR CANDIDATES FROM THE UNITED STATES OR ABROAD

Candidates from the United States or elsewhere are advised that a Canadian honours degree in Economics and Political Science ordinarily comprises a reasonable acquaintance with the theoretic literature in both fields, a knowledge of the development of the science, and some degree of specialization in one field or the other.

DEPARTMENT OF EDUCATION

Professors D. C. MUNROE, *Chairman*
Staff of the Institute of Education

The course leading to the degree of Master of Arts is intended to encourage teachers who have completed the basic academic and professional training to proceed with further graduate studies. Many will wish to develop and perfect the teaching procedures in certain subject areas so that they may improve their technical skill; others will wish to deepen their knowledge of the historical and philosophical foundations of education; some will be interested in specialized studies in psychology and sociology; administrative and supervisory officers will benefit from research in

school organization and procedure. In addition to those who enter the course from professional interest, there may also be some who wish to study the relationship of education to other disciplines and aspects of public administration. For students in all these categories the course provides unusual opportunities for advanced study.

The course is planned so as to give the student a broad survey of educational thought, experience in specialized and statistical studies, familiarity with recent research and present practice and an understanding of educational administration in Canada.

ENTRANCE REQUIREMENTS

First Class Diploma or the equivalent B.Ed. degree with at least second class standing.

Candidates entering with degrees other than the B.Ed. (McGill) must present a degree from an approved university with second class standing in at least one continuation subject. To meet the requirement for entrance they may take the following courses in a qualifying summer or winter session:

Education 600—Educational Measurement (Education 310 or 501)

Education 601—Studies in Educational Thought (Education 400 or 500)

Candidates from other universities may also be permitted to qualify by writing a comprehensive examination in Educational Theory and Practice.

PROGRAMME OF THE COURSE

The course begins with a Summer Session in July which is followed by a Winter Session of part or full-time study and a second Summer Session. It may be completed in a minimum of fifteen months.

FIRST SUMMER SESSION

Education 610—Modern Educational Practice

Education 611—Methods of Educational Study and Research

WINTER SESSION

Education 620—Studies in Comparative Education

Education 621—Thesis Preparation

SECOND SUMMER SESSION

Education 630—Modern Studies in Educational Psychology

Education 631—The Administration of Education in Canada

During the Winter Session the student will choose one of the following areas of concentration:

1. Methods of Teaching a Special Subject
2. History and Philosophy of Education
3. Educational Psychology and Sociology
4. Educational Administration

Seminars will be held in each of these subjects and the candidate will begin his research project and the preparation of the thesis under the director of research in his special area of study. Monthly seminars will also be held in Comparative Education.

REGISTRATION AND FEES

For the Summer Session candidates register and pay their fees at Macdonald College; for the Winter Session they register at the Registrar's Office and pay their fees at the Accounting Office, McGill University. Tuition fees for the three sessions are as follows:

First Summer Session	$200
Winter Session	$150
Second Summer Session	$150

In addition sessional registration forms must be submitted to the Dean of the Graduate Faculty, through the Director of the Institute of Education, not later than July 2nd for the Summer Session and not later than September 21st for the Winter Session.

GENERAL INFORMATION

The Summer Sessions will be conducted at Macdonald College where residential accommodation is available for both men and women students. The Summer Session in 1959 will open on Thursday, July 2nd, and continue for five weeks with lectures on six days each week.

GRADUATE DIPLOMA IN SCHOOL SUPERVISION

This Diploma is offered for those who wish to qualify for administrative or supervisory positions in the educational system but do not wish to submit the thesis required for the Master of Arts degree.

The entrance requirements and admission procedures are the same as those for the M.A. degree (above), save that candidates must have had approved teaching experience.

The programme of the course is the same as that for the M.A. degree (above), save that in the Winter Session the weekly seminars will be replaced by a seminar on case studies in administration, and directed study. The course may, as above, be completed in a minimum of fifteen months.

DEPARTMENT OF ELECTRICAL ENGINEERING

Professors	G. L. d'Ombrain, *Chairman*
	F. S. Howes
Associate Professors	G. W. Farnell
	T. J. F. Pavlasek
	W. H. Schippel
Assistant Professor	T. H. Barton

Advanced courses of instruction and laboratory facilities are available for graduate students desiring to proceed to the Master of Engineering degree in either Electric Power or Electrical Communication Engineering, or to the Ph.D. degree in Electrical Communication Engineering.

The undergraduate Communication Engineering option, as given at McGill, involves, in addition to courses in electric power engineering, 48 hours of lectures and 36 hours of laboratory in electron tubes and circuits; 48 hours of lectures in telephone transmission, radio-frequency lines, and wave guides; 48 hours of lectures and 144 hours of laboratory in radio engineering; 24 hours of lectures in applied acoustics; and 12 hours of lectures and 36 hours problems in radio design. Candidates for the M.Eng. degree in Communication Engineering, who come to McGill from other institutions, are expected to have had the equivalent background of training. Candidates without this preparation, who are otherwise qualified, may make up their deficiency in a qualifying year.

I. ELECTRIC POWER ENGINEERING

Courses

G401. POWER SYSTEM ANALYSIS AND STABILITY — *Professor Schippel*

G402. ELECTRIC MACHINE DESIGN — *Professor Schippel*

G403. FEEDBACK CONTROL SYSTEMS — *Professor d'Ombrain*

G404. UNIFIED THEORY OF ELECTRIC MACHINES — *Professor Barton*

G406. ELECTRICAL POWER TRANSMISSION AND DISTRIBUTION — *Professor Schippel*

Courses G401, G402, G403, G404, and G406 each consist of two lectures per week throughout the session, together with such reading and problems as may be assigned by the instructor.

Course Requirements

All students proceeding to the Master of Engineering degree in Electric Power Engineering are required to take course G411 or its equivalent in Applied Mathematics, together with such other courses from the above list as may be deemed necessary for progress in the special field of the student's interest and research.

Research

Facilities are available for studies in the following fields:

(a) Power System Stability.

(b) Design and Operation of Electric Power Equipment.

(c) Industrial Control, including Electronic Control Devices.

(d) Protection of Electric Power Systems.

(e) Electrical Measurements.

II. ELECTRICAL COMMUNICATION ENGINEERING

Courses

G403	FEEDBACK CONTROL SYSTEMS	*Professor d'Ombrain*
G411	APPLIED MATHEMATICS	*Professor Wallace (Department of Mathematics)*
G412	OPERATIONAL CALCULUS AND MATRIX ALGEBRA	*Professor Rosenthall (Department of Mathematics)*
G413	COMPLEX VARIABLE WITH ENGINEERING APPLICATIONS	*Professor Rosenthall (Department of Mathematics)*
G414	RADIATION THEORY AND ANTENNAS	*Professor Howes*
G415	ENGINEERING ACOUSTICS	*Professor Pavlasek*
G416	MICROWAVE THEORY AND TECHNIQUES	*Professor Pavlasek*
G417	NETWORK ANALYSIS	*Professor Farnell*
G418	TRANSIENT ANALYSIS AND PULSE TECHNIQUES	*Professor Farnell*
G419	TRANSISTOR ELECTRONICS	
G420	MATHEMATICS FOR DIGITAL COMPUTERS	
G421	PRINCIPLES OF SERVOMECHANISMS	
G423	DIGITAL AND ANALOG COMPUTERS	
B20	AUTOMATIC PROCESS CONTROL	*Professor d'Ombrain*
B30	THE PHYSICS OF SOLIDS	*Professor Sharp*

G424	GRADUATE SEMINAR	

and the following courses offered at Carleton University, Ottawa:

G425	RADIATION THEORY AND ANTENNAS	
G426	FEEDBACK CONTROL SYSTEMS	*Mr. W. M. S. Moore*
G427	AUTOMATIC CONTROL	*Dr. Milsum*
G428	DIGITAL AND ANALOG COMPUTERS	*Mr. R. E. Linden*
G429	MICROWAVE THEORY AND TECHNIQUES	*Dr. G. C. McKormick*
G430	VIBRATION AND SOUND	*Dr. G. Shaw and Mr. R. Richards*
G431	TRANSISTOR THEORY AND APPLICATIONS	*Dr. Simpson*
G433	APPLIED MATHEMATICS	*Mr. Mandl*
G434	RADIO WAVE PROPAGATION	

Not all of these courses are offered every session.

The above courses listed under II are all given in the evening. Each involves one two-hour lecture per week. Courses G425 - G434 are given at Carleton University, Ottawa.

Course Requirement

The course requirement for the Master's degree in Electrical Communication Engineering is course G411, or its equivalent in Applied Mathematics, and any three of the other courses listed.

Participation in the Graduate Seminar (G420) may be required of all candidates for the Master's degree in Communication Engineering in their final year.

Research

Facilities are available for research in the following fields:

(a) Circuits—Audio Frequency and High and Ultra-High Radio-Frequency.

(b) Micro-wave measurements.

(c) Radio noise studies.

(d) Antenna problems.

(e) Transistor electronics.

(f) Feedback and Control Problems.

(g) Acoustical measurements.

(h) Acoustical noise reduction problems.

III. THESIS REQUIREMENT

In addition to the course requirement for the Master's degree, the student is required to submit a thesis based on his own research or development work in connection with some suitable problem in the broad fields of Electric Power or Communication Engineering. The subject of the thesis must be approved by the Department of Electrical Engineering at the beginning of the year in which it is to be submitted.

IV. GRADUATE EVENING COURSES IN ELECTRICAL ENGINEERING

Graduate engineers engaged in research, design, and development work in the fields of Power and Communication Engineering require more advanced training in mathematics, field theory, and circuit theory than can be included in undergraduate courses. In addition, there are many special phases of Communication Engineering which require, for their mastery, such advanced training.

In order to meet this need many of the graduate courses are given in the evening, but some of them are offered only in alternate years.

All of the courses listed under II above are given in the evening and are available to graduates employed in industry. Students so employed during the day are permitted to take not more than two courses per session.

Regular graduate students taking evening courses required for their degrees *must* register also with the Extension Department, though one fee covers both.

In the field of Communication Engineering, graduate evening courses are also given in Ottawa by special lecturers attached to the staff of McGill University.

It is now generally recognized that these courses provide a necessary supplement to undergraduate training in communications and, in addition, provide the opportunity for graduates to complete the course requirement for the Master of Engineering degree while gainfully employed.

Registration

Evening students who wish to proceed to the Master's degree are not permitted to register with the Faculty of Graduate Studies and Research until they have completed the four required courses with an average mark of not less than 75 per cent. They may then make application to the Faculty of Graduate Studies and Research in the Department of Electrical Engineering, for acceptance as graduate students and if they are accepted, they may proceed with registration in the Faculty of Graduate Studies and Research.

Thesis

The general requirements for the thesis are those shown under Section III. Under certain circumstances, an evening course student may be permitted to base his thesis on research done in an industrial laboratory.

Residence Requirement

At least one full session of resident study at McGill University is required of a candidate for a Master's degree. Evening students who attend classes at McGill may be exempted from the residence requirement when they have completed the course requirement. Students who take their course work in Ottawa are required to spend a session at McGill which may be largely devoted to research and thesis preparation. Candidates for the Master's degree who are graduates of McGill and who are Civil Service employees of two or more years standing may have their residence requirement reduced to a half session only. (See page 2622.)

Fees

Fees paid by an evening course student for courses which he successfully completes will be credited toward the general graduate fee should he subsequently be accepted as a graduate student in the Department of Electrical Engineering.

M.Sc. in Electrical Communications

To enable graduates in Physics to complete the course requirement for a Master's degree through evening study, the M.Sc. in Electrical Communications is being offered by the Department of Electrical Engineering. The requirements regarding courses, registration, thesis, residence and fees are the same as for the M.Eng. degree detailed above.

Graduate Diploma

A graduate diploma is available in Electrical Communications, Electrical Communication Engineering and Electric Power Engineering. The course and registration requirements are the same as for the M.Eng. degree but there is no residence or thesis requirement. Students who have already completed the course requirement and who wish to proceed to the Graduate Diploma rather than the Master's degree, should make application to the Faculty of Graduate Studies and Research before January 31st for acceptance as graduate students. Such application should be accompanied by a transcript of the student's undergraduate record and by a letter indicating the graduate evening courses taken by the student and the years in which they were taken. The fee for registration and graduation is $25.

V. REQUIREMENTS FOR THE PH.D. DEGREE IN ELECTRICAL ENGINEERING

This degree is at present available only in the field of Communication Engineering.

(1) All the general regulations of the Faculty of Graduate Studies and Research for the degree of Ph.D. will apply.

(2) Candidates for the degree of Ph.D. in Electrical Engineering will be accepted only after they have obtained the M.Eng. degree in Electrical Engineering at McGill University or its equivalent from another institution, and their acceptance will depend on the standing obtained with the M.Eng. degree.

(3) A minimum of four courses of graduate level must be completed beyond the Master's degree. Of these one must be in advanced mathematics, one in physics, one in an engineering subject, and the fourth may be in any of these three fields or in some other field particularly relevant to the thesis topic of the student.

All four courses are to be chosen, in consultation with staff members to augment most appropriately the previous work of the student.

The courses must be completed at least 12 months before the date on which the degree is obtained.

When it is planned to spread the Ph.D. programme over more than two years beyond the Master's degree, at least one course should be taken in each year except the final one.

(4) A general written examination covering the field of electronics and communication engineering will be held not less than 12 months prior to the expected date of graduation.

(5) After the acceptance of the thesis an oral examination covering its contents and related material will be held.

DEPARTMENT OF ENGLISH

Professors	Ralph S. Walker, *Chairman*
	H. G. Files
	Joyce Hemlow
Associate Professors	Alec Lucas
	Hugh MacLennan
	Archibald Malloch
Assistant Professors	Constance Beresford-Howe
	Curtis D. Cecil
	Louis Dudek
	Alan Heuser
	Slava Klima
	Martin Puhvel
	Gordon F. Sleigh

UNDERGRADUATE PREREQUISITES

Applicants for admission to the Faculty as candidates for the M.A. degree, in addition to holding the B.A. degree, must normally have obtained first or second class Honours in English at McGill University, or the equivalent elsewhere. An undergraduate candidate for Honours in English at McGill must take, in the 2nd, 3rd, and 4th years, a total of ten courses, including Half Courses 305a or 305b (Chaucer) and 315b (16th century), and Courses 200 (Shakespeare), 320 (17th century), 220 (18th century), 230 (19th century), for which 322a and 322b may be substituted, and 340 (20th century). The remaining four courses are chosen from those approved by the Department as Honours courses or Cognate courses.

Applicants for admission who in the opinion of the Department lack the equivalent of this training may be permitted by the Dean and the Department to take a qualifying year, provided that it is possible for them to make up the required qualifications by taking not more than five Honours courses in this qualifying year. For particulars of the prerequisite courses, see the Announcement of the Faculty of Arts and Science.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

Candidates for the degree of M.A. in English must take three courses (two half courses counting as one full course) from the list given below, and in addition the Half Course in Bibliography (500a), if the undergraduate Half Course in Bibliography (380a), or its equivalent, has not already been passed. The Course in Old English (504) must be included as one of the three required courses, if the undergraduate Course in Old English (300), or its equivalent, has not already been passed. A thesis on some subject approved by the Department must be written under the supervision of a Director appointed by the Department. Suitably qualified candidates may obtain permission to substitute a project in creative writing, such as a novel, for the thesis. Every student, after presenting his thesis, must be prepared, if so required by the Department, to submit to an examination, oral or written on its subject matter or background.

Students registered for courses or half courses listed below will meet their instructors twice or three times a week at the instructors' direction. *As some of the courses and half courses may not be available every year, it will be necessary for every M.A. degree candidate to consult the Department before making his choice from among them.*

COURSES FOR GRADUATES

500a. BIBLIOGRAPHY (Half course). An introduction to the apparatus and methods of scholarship in literary studies.

First term. *Professor Malloch*

502. LITERARY CRITICISM (Full course). The nature of literature and literary criticism; the great critics and the critical thought of the West from the beginnings in Greek criticism (with special emphasis on Plato, Aristotle, and Longinus) through the Renaissance to the present time.

Professor Files

504. OLD ENGLISH (Full course). English Language and Literature up to the Norman Conquest. The course includes readings from Anglo-Saxon prose in the first term, and, in the second, a study of heroic poetry. The texts used are: Bright, *Anglo-Saxon Reader* and *Beowulf* (ed. Klaeber).

Professor Puhvel

505a. INTRODUCTION TO MIDDLE ENGLISH (Half course). A study of representative Middle English texts, all included in Brandl and Zippel, *Middle English Literature*. The historical development of Middle English and the distinctive features of the dialects are noted.

Professor Puhvel

First term.

506b. MIDDLE ENGLISH LITERATURE (Half course). *Gawain and the Green Knight* (ed. Tolkien and Gordon) and *The Pearl* (ed. Gordon): a study of the texts and their literary background. Students who have not taken English 505a may not take this course except by special permission.

Professor Puhvel

Second term.

507b. THE ARTHURIAN LEGEND (Half course). Studies in the origin and development of the Arthurian legend, and representative reading in Arthurian literature. Writers such as Geoffrey of Monmouth, Chrestien de Troyes, and Marie de France are studied in translation.

Second term. *Professor Puhvel*

508b. CHAUCER (Half course). A study of the *Romaunt of the Rose*, the dream-vision poems, and *Troilus and Criseyde*, with a historical survey of the development and variations of the Troilus story.

Second term. *Professor Hemlow*

512a. MARLOWE (Half course). A study of Marlowe's work in relation to the work of Peele, Greene, and Kyd, and of its possible influence on Shakespeare; with particular attention to *Dr. Faustus* and the critical problems connected with it.

Professor Walker

First term.

514a. SPENSER (Half course). The Renaissance theory of poetry and a study of *The Faerie Queene* in relation to its historical, philosophical, social, and literary backgrounds; with supplementary reading illustrative of the literary and intellectual climate of the Renaissance.

First term. *Professor Hemlow*

516a. SHAKESPEARE (Half course). A study of *Hamlet*, its principal sources and main textual and interpretative problems; with prescribed reading from critical literature dealing with various aspects of the play.

First term. *Professor Walker*

518b. BEN JONSON (Half course). A study of Jonson's work as a whole, dramatic, lyrical, and critical, with prescribed reading from the plays, poems, and masques, the *Discoveries* and *Conversations*, and from relevant critical literature.

Second term. *Professor Walker*

522b MILTON (Half course). A study of *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*, and of the bearing of the earlier works on these major poems, with prescribed reading from the critical literature.

Second term. *Professor Malloch*

524a. THE COMEDY OF MANNERS (Half course). Representative plays by Etherege, Wycherley, Congreve, and Farquhar, with a detailed study of *The Man of Mode*, *The Country Wife* and *The Way of the World*.

First term. *Professor Cecil*

526a. POPE AND SWIFT (Half course). A study of the satirical writings of Pope and Swift, with reference to the thought and literary traditions of the Augustan age.

First term. *Professor Klima*

528b. JOHNSON AND HIS CIRCLE (Half course). A study of the principal works of Dr. Johnson and of the literary and critical climate of his age, as revealed in the writings of Garrick, Reynolds, Burke, Boswell, the Burneys, and Mrs. Thrale.

Second term. *Professor Hemlow*

530a. WORDSWORTH AND COLERIDGE (Half course). A study of *The Prelude* and *The Excursion* and of their relationship both to Wordsworth's earlier poetry and to Coleridge's poetical theory and practice.

First term. *Professor Lucas*

532b. BROWNING (Half course). A selective study of the principal works, of the distinctive characteristics of Browning's art, and of the religious and intellectual tendencies reflected in his writing.

Second term. *Professor Lucas*

533a. THE VICTORIAN NOVEL. Studies in Dickens, George Eliot and Hardy.

First term. *Professor Lucas*

534a. HAWTHORNE, MELVILLE AND JAMES (Half course). A comparative study in the growth of an American tradition of novel-writing and in the development of its technical resources.

First term. *Professor Files*

536b. HOPKINS, YEATS AND ELIOT (Half course).

Second term. *Professor Heuser*

540. CROSS-CURRENTS BETWEEN ENGLISH LITERATURE AND THE EUROPEAN LITERATURES IN THE 18TH CENTURY (Full course). The influence of continental literature and criticism on the English neo-classicism of the 18th century and the influence of English literature and criticism on European writers from the time of Voltaire to the rise of Byronism. Reference is made to the works of French, German, and Italian writers. A reading knowledge of French is a prerequisite.

Professor Klima

542. EUROPEAN HUMANISM AND ENGLISH LITERATURE IN THE 20TH CENTURY (Full course). The texts are available in English translation, but a reading knowledge of French or German is a prerequisite.

Professor Klima

DEPARTMENT OF ENTOMOLOGY

(Macdonald College)

Professors D. K. McE. KEVAN, *Chairman*
E. M. DUPORTE (*Post-retirement*)

Associate Professor F. O. MORRISON

Assistant Professors R. S. BIGELOW
J. E. MCFARLANE

Research Associate ———

A liberal interpretation is put on the term Entomology. Adequate laboratory and library facilities are available for the courses listed below and for research. Students may be recommended to take courses offered by the Departments of Zoology and Plant Pathology (the Department of Entomology is closely integrated with the latter), either as part of their major work or as cognate subjects.

The courses consist of informal lectures, directed reading, laboratory work, special assignments, colloquia and discussions. Field work where appropriate or practicable may also be required. Formal lectures may be

given from time to time and excursions arranged to places of interest. All members of the graduate school, while resident at Macdonald College, are expected to take an active part in all departmental seminars and themselves to address at least one seminar meeting.

COURSES FOR HIGHER DEGREES

60. ADVANCED INSECT MORPHOLOGY
Full course.
Professor DuPorte

61. ADVANCED TAXONOMY
Full course.
Professor Bigelow
In addition to general taxonomy and taxonomic theory, this course includes the special study of a selected group of insects.

62. ADVANCED INSECT PHYSIOLOGY
Full course.
Professor McFarlane

63. ADVANCED TERRESTRIAL ECOLOGY
(i) General insect ecology and population dynamics (half course).
Professor Morrison or Professor McFarlane
(ii) Soil Zoology (half course).
Professor Kevan
Parts (i) and (ii) may be reversed in order or given concurrently, according to circumstances. Special permission may be given to take one part only, either as a half course or, in an extended form, as a full course (see also 64).

64. ADVANCED ECONOMIC ENTOMOLOGY
Full course.
Professor Morrison
Under certain circumstances 63, Part (i) may be substituted for part of this course.

65. VETERINARY AND MEDICAL ENTOMOLOGY
Full or half course.
Professor Kevan
Given only by special arrangement.

67. SEMINAR
1½ hours weekly.
Staff

68. BIBLIOGRAPHY OF ENTOMOLOGY
Short course, 1st or 2nd term.
Professor DuPorte

M.Sc. REQUIREMENTS

Candidates for admission must have had (1) satisfactory previous training in mathematics, physics, chemistry and biology; and (2) have obtained at least second class standing in the undergraduate courses in Entomology given at Macdonald College, or their equivalent. For

students who satisfy these conditions the minimum period of study is one year, for others two years, one of which may be a qualifying year in which advanced undergraduate courses are usually taken.

In addition to presenting a thesis the student shall take such courses and write such examinations as are deemed necessary by the chairman of the department in consultation with the director of the candidate's research. Normally this amounts to a minimum of two full courses (or their equivalent) in addition to Entomology 68 and the seminar. For the latter a mark is required in the first year (or in the case of qualifying students in each of the first two years).

The candidate will normally be expected to spend at least one summer season in full-time research at Macdonald College or, under suitable direction, at some other approved institution.

Ph.D. REQUIREMEMTS

Students who have obtained a high standing in the M.Sc. in Entomology at McGill University or its equivalent (including M.Sc. in Zoology, with a sound entomological background), may proceed to the Ph.D. degree in two additional years. Under certain circumstances students holding a B.Sc. degree of high standing may register directly for the Ph.D. with the consent of the Chairman of the Department, but before being allowed to enter second year, such students must pass an examination to determine their fitness to proceed.

In addition to presenting a thesis the candidate may be required to take such courses and pass such examinations as are decided upon in consultation with the chairman of the department and the director of his research. Normally no course work (other than Seminar) will be required during the final year and not usually more than one full course (or its equivalent) during the preceding year for candidates already possessing an M.Sc. of McGill University or its equivalent. Candidates may, however, be advised to attend courses bearing on their research work at any time during their period of resident study.

Participation in seminars will be taken into consideration in the final assessment of the candidate, but formal marks will not be given.

Ph.D. candidates may be permitted to spend one of their three years of full-time graduate study at an approved university or research institution other than McGill University. The candidate may be required to spend the equivalent of two summer seasons in full-time research at Macdonald College or, under suitable direction, at some other approved institution.

Candidates for M.Sc. or Ph.D. degrees should indicate their fields of special interest before making formal application for admission. Facilities are available for research in most branches of entomology and in related fields, but candidates with special problems should consult the chairman of the department in advance.

DEPARTMENT OF EXPERIMENTAL MEDICINE

Professors — Ronald V. Christie, *Chairman*; D. G. Cameron

Associate Professors — John C. Beck; E. H. Bensley; M. M. Hoffman; Bram Rose; Eleanor H. Venning

Assistant Professors — Inge Dyrenfurth; L. G. Johnson; K. R. Mackenzie

COURSES FOR THE DEGREE OF M.Sc. or Ph.D.

61. SEMINAR. 1 hour weekly throughout the session (to be registered for as Investigative Medicine 61).

62. ADVANCED ENDOCRINOLOGY (to be registered for as Biochemistry 62). 2 hours weekly throughout the session.

63. ADVANCED ENDOCRINOLOGY (to be registered for as Biochemistry 63). 2 hours weekly throughout the session.

Courses 62 and 63 are given in alternate years.

Course 63 will be given in 1959-60.

64. CLINICAL ENDOCRINOLOGY (to be registered for as Investigative Medicine 64). 1 hour weekly throughout the session.

65. PHYSIOPATHOLOGY. 1 hour weekly throughout the session.

66. PRINCIPLES AND METHODS OF CLINICAL INVESTIGATION (to be registered for as Investigative Medicine 66).

67. NEWER LABORATORY METHODS (to be registered for as Investigative Medicine 67). 2 hours weekly half session.

68. SEMINAR—Cardiorespiratory Physiopathology. 1 hour weekly.

GENERAL STATEMENT

The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals.

The courses and the direction of research in this department are given in close collaboration with the Department of Investigative Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the University Clinic Montreal General Hospital, University Clinic Royal Victoria Hospital or in the Department of Investigative Medicine depending on the type of work done (clinical or laboratory) or upon the individual directing the research.

Work in the Division of Immuno-Chemistry and Allergy, University Clinic, Royal Victoria Hospital, which is under the direction of Dr. Bram Rose and Dr. Alec Sehon, is primarily directed towards the isolation and characterization of antigens and antibodies related to the common forms of allergy. In addition to adequate ordinary laboratory facilities, special apparatus is available in the Donner Building, McGill, for the study of antibody-antigen interactions by immunochemical, histopathological and physico chemical methods, such as zone and free electrophoresis, preparative and analytical ultracentrifugation, etc. These techniques are also used for the identification of abnormal moieties present in sera from patients suffering from various diseases. The laboratory and clinical findings are presented at weekly discussions. In view of the complex nature of the problems and the diversified methods used, students from clinical as well as the basic science departments may pursue their graduate work in this Division. The course work and the research programme of each student are decided in consultation with the department in which he is registered for the M.Sc. or Ph.D. degree.

Students holding either the M.D. or the B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable.

DEPARTMENT OF EXPERIMENTAL SURGERY

Professors H. R. ROBERTSON, *Chairman*
D. R. WEBSTER

Project Director S. C. SKORYNA

COURSES FOR THE DEGREE OF M.Sc.

61. SEMINAR. Physiopathological principles in surgery.

62. SURGICAL ANATOMY. 1 hour weekly and demonstrations in anatomy laboratory to undergraduate medical students.

63. SURGICAL PHYSIOLOGY. 1 hour weekly.

64. SURGICAL PATHOLOGY. 1 hour weekly.

65. MEDICAL STATISTICS. 1 hour weekly.

GENERAL STATEMENT

The Department offers courses leading to the degree of M.Sc. in the Faculty of Graduate Studies and Research and provides facilities for graduate research in surgery. Arrangements may be made for students wishing to proceed to a Ph.D. degree.

A candidate for the degree of Master of Science in Surgery must possess an M.D. degree together with a better than average academic record. His previous interest and experience in investigative work is taken into consideration in the selection of such a candidate. The major part of the student's time shall be devoted to research in some special field of investigative work. A thesis covering this subject, judged chiefly upon its original quality, shall be the prime requisite for his degree.

In addition the student shall be required to attend certain courses of graduate instruction in the basic sciences. These courses are being given in co-operation with the Departments of Physiology and Pathology and the staff of the Teaching Hospitals of the University. Candidates are required to take comprehensive examinations in Experimental Surgery and Surgical Anatomy.

For the purpose of assisting the student's research, conferences are held frequently within the Department and a Surgical Journal Club is conducted weekly. The main research interests of the Department are at present: experimental carcinogenesis, cardiovascular surgery, gastroenterology, haemorrhagic shock and the effects of thermal injury. In addition, several research projects are conducted in surgical specialties and consideration will be given the particular interests of the candidate in the selection of the field of research.

DEPARTMENT OF FRENCH

Professor	J. E. L. LAUNAY, *Chairman*
Associate Professors	MME P. L. LARIVIÈRE
	LOUIS D'HAUTESERVE
	MLLE M. TH. REVERCHON
Assistant Professors	MLLE YVONNE CHAMPIGNEUL
	ANDRÉ A. RIGAULT

COURSES FOR THE DEGREE OF MASTER OF ARTS

60. LA FONTAINE
1 hour. *Professor Champigneul*

61. LA CRITIQUE LITTÉRAIRE (Histoire et Méthodes)
2 hours. *Professor Launay*

62. MONTAIGNE
1 hour. *Professor Larivière*

63. EXERCICES PRATIQUES (Colloquia)
1 hour. *Staff*

64. LA POÉSIE SYMBOLISTE
1 hour *Professor Reverchon*

65. COURS DE TRADUCTION AVANCÉE
2 hours. *Professor Launay*

*42. LA LITTÉRATURE ET LES IDÉES SOCIALES AU 19e SIÈCLE
3 hours. *Professor d'Hauteserve*
(*Given in 1960-61.*)

*44a. HISTOIRE DE LA LANGUE FRANÇAISE
1 hour. *Professor d'Hauleserve*

*44b. FRENCH STYLISTICS
2 hours. *Professor Launay*

*45. HISTOIRE DU ROMAN EN FRANCE
3 hours. *Professor Launay*
(*Given in 1960-61.*)

*46. HISTOIRE DE LA POÉSIE LYRIQUE EN FRANCE
3 hours. *Professor Larivière*

*47. LA LITTÉRATURE FRANÇAISE CONTEMPORAINE
3 hours. *Professor Larivière*
(*Given in 1960-61.*)

*48. ADVANCED PHONETICS
2 hours. *Professor Rigault*
(*Given in 1960-61.*)

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*These are also Honours Courses in the Faculty of Arts and Science.

Candidates for the Master's degree in French will take courses 60, 61, 62, 64, 65, and one course in the Department of English selected in consultation with the Chairman of the French Department.

The M.A. thesis must be written in French.

Students cannot normally obtain an M.A. in less than two years (one year for prerequisite courses, one year for research and writing of thesis). Students from other Provinces and States where the opportunities of speaking French are small may be required to take a Qualifying Year of studies before they are accepted by the Faculty as Graduate Students. During this Qualifying Year students are required to take at least two full undergraduate honours courses (which they must pass with second-class standing) and such other subsidiary courses (phonetics and translation) as the Department may direct. In certain cases students accepted for the Qualifying Year only may be advanced to full graduate standing at the end of the first term of the winter session if they have shown sufficient promise and ability in their first three months of work.

Students from other universities applying for admission to the Graduate Faculty as French specialists must hold a B.A. degree with at least good second-class standing in French, or the equivalent. This must include an ability to speak French fluently, and a sound knowledge of French literature from 1600 to 1940. Whenever possible an interview will be arranged prior to admission to graduate standing.

REGULATIONS FOR THE MASTER OF ARTS DEGREE TAKEN IN THE FRENCH SUMMER SCHOOL

1. All work carried on towards an M.A. degree in the French Summer School is under the control and supervision of the Department of French in the Faculty of Graduate Studies of the University.

2. Requirements for the Master's degree:

(a) The student must hold the degree of B.A. from McGill University or from another institution of recognized standing, with at least second class honours in French, or the equivalent of second class honours in French as granted by McGill University—which must include an ability to speak French fluently, and a sound knowledge of French literature from 1600 to 1940.

(b) A student qualified as in 2 (a), must complete four sessions in the Advanced Section of the French Summer School with at least second class standing in the final examinations of each session.

(c) The student must prepare and present a thesis, written in French, which must be in some measure a contribution to knowledge. Its preparation is carried out under the direction of the French Department.

3. Students applying for admission to the Advanced Section of the Summer School, with the intention of proceeding towards the M.A. degree, should, as soon as possible, have a transcript of their academic record sent for appraisal to the Director of the School.

Students whose record is considered the equivalent of the B.A. degree with at least second class honours in French as granted by McGill University will be notified of their eligibility for future admission to the Faculty of Graduate Studies of the University. *At the end of their second session they will apply for admission to the Faculty as candidates for the M.A. degree, provided they have completed the course requirements for the first two sessions, but they will not register in the Graduate Faculty until the end of the fourth session; they must then register with the Dean as non-resident students, pending completion of the required thesis.* (See also Section 18 of the General Faculty regulations, page 2618.)

Students who hold a B.A. degree but whose record is not considered the equivalent of the McGill B.A. with at least second class honours in French, may be allowed to make up the deficiency by taking more courses during their third and fourth summer sessions. They will also be admitted to the Graduate Faculty at the end of the second summer session, provided that they have obtained at least a high second class standing in the courses of the first two summer sessions.

4. In the case of students of honours standing, the first summer session consists of five courses, the second of four courses, the third of three courses, and the fourth of two courses, each course consisting of three lectures per week. The decreasing number of courses through the four sessions enables the student to devote more time to the preparation of his thesis, which must begin in the third session at latest. Each student works under the guidance of a director of research who is a member of the French Summer School staff. The only listed course which may be taken for credit in more than one session is No. 31 Advanced Composition (see below).

Students may be required to take certain courses which are changed from year to year, and in any case:

30(a) and 30(b). FRENCH STYLISTICS. Students are advised to take this course during their second and third sessions.

31. ADVANCED COMPOSITION. A minimum mark of 65% must be obtained in the final examination of this course, irrespective of the final average for the set of courses taken during the session. The course must be repeated until this requirement has been met. As its material is varied each year, it can be taken a second summer for credit. If taken more than twice, it must then be carried as an extra course.

5. With the approval of the Graduate Faculty, one of the summer sessions, except the first, may be replaced by equivalent work in France or at another French Summer School.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will not be accepted until further notice.

DEPARTMENT OF GENETICS

In Montreal

Professor	J. W. Boyes, *Chairman*
Associate Professor	F. C. Fraser
Assistant Professors	E. R. Boothroyd G. I. Paul
Assistant Professor and Research Fellow	J. D. Metrakos
Research Fellow	K. Metrakos
Research Associate	D. Kafer-Boothroyd

At Macdonald College

Associate Professor	R. I. Brawn
Assistant Professor	W. F. Grant

Students in the following categories will normally be accepted for graduate studies in this Department:

1. Honours graduates in either Botany or Zoology at McGill who have completed at least one full course in Genetics and one full course in the non-honours subject of either Botany or Zoology.

2. Graduates of McGill who have taken a continuation in Genetics plus a minimum of two full courses in each of Zoology and Botany, who have an average standing of over 65%.

3. Students from other Universities or Agricultural Colleges who have records approximately equivalent to those of any of the above categories.

4. Students who have completed the General Honours Course in Biological Subjects with standing acceptable to this Department.

5. Students who have completed the Honours Course in Genetics.

Other students who have fulfilled part of the above requirements or have a sound knowledge of General Biology plus other special qualifications will normally be required to spend a qualifying session on an approved programme of studies.

The Department will welcome students from other fields of Biological Science or from Agricultural Institutions who are interested in familiarizing themselves with the significance of hereditary variables in their particular fields of interest.

With the co-operation of the Department of Botany and the Faculty of Agriculture adequate laboratory, greenhouse, field, and library facilities are available for research in Plant or Animal Genetics and Cytology. With the cooperation of the Department of Pediatrics and the Montreal Children's Hospital, facilities are provided for training in Human Genetics.

COURSES FOR HIGHER DEGREES

32a. CYTOLOGY (Half course)

First term: 2 hours and a 3-hour laboratory period. *Professor Boothroyd*

36b. DEVELOPMENTAL GENETICS (Half course)

Second term: 3 hours. *Professor Fraser*

42b. MICROBIAL GENETICS (Half course). An analysis of recent progress in the genetics of microorganisms such as viruses, bacteria, yeasts, paramecia, algae, fungi, etc.

Second term: 3 hours. *Professor Grant*

(*Not given in 1959-60.*)

43b. ADVANCED CYTOGENETICS (Half course)

Second term: 3 hours. *Professors Grant and Boothroyd*

44. BIOMETRY (Full course). Applications of statistics to research problems in biology.

2 hours lectures and 3 hours of computation. *Professor Paul*

45. GENETICS IN EVOLUTION AND POPULATION DYNAMICS (Full course). A consideration of genetic concepts and processes involved in the origin and maintenance of populations and species, including: the origin of hereditary variations, adaptation, selection, migration, isolation, hybridization, breeding methods, genetic drift, the establishment of genetic equilibrium, the breakdown of species.

3 hours. *Professors Boyes and Paul*

Prerequisite: Genetics 32a.

Texts: Dobzhansky, Genetics and the Origin of Species, third ed.; Lerner, The Genetic Basis of Selection.

46a. THE GENETICS OF MAN (Half course). Principles of heredity and special techniques as applied to the study of man's genetic diversity will be considered at an advanced level.

First term: 3 hours. *Professor Metrakos*

48a. DESIGN OF EXPERIMENTS (Half course). General principles of experimentation, and designs appropriate to a wide variety of problems. Completely randomized, randomized blocks and Latin square designs: their purposes, design and analysis. Factorial experimentation, interaction, confounding, randomization and error terms. Complex experiments and an elementary treatment of incomplete block designs. Concomitant measurements, sensitivity and control of error variation. Examples drawn from biology.

First term: 2 hours and 3 hours laboratory (arranged). *Professor Paul*

Prerequisite: Genetics 44 or the equivalent.

Text: Fisher: The Design of Experiments (Oliver and Boyd).

51. SEMINAR. Weekly reports by students and staff on current researches in Cytology and Genetics.

Courses in other Biological Sciences at McGill and courses in Plant Breeding or Animal Breeding at Macdonald College may be required when it is desirable to extend the student's general background or experience for a particular problem.

56a. ADVANCED PHYSIOLOGICAL GENETICS (Half course). Problems of gene structure and gene function will be considered at an advanced level. The content of the course will be flexible enough to permit inclusion of new developments in the field as they occur. Topics will include the template hypothesis, pseudo-alleles; hetero-alleles and iso-alleles; the Watson-Crick model; gene conversion; genes and enzymes; developmental homeostasis; genes and differentiation.

First term: 3 hours. *Professor Fraser and other staff members*

Prerequisite: Genetics 36b, or the equivalent.

COURSES GIVEN AT MACDONALD COLLEGE

62a. CYTOLOGY (Half course). The protoplasmic organization of the cell.

2 lects., 1 lab., per wk., 1st term. *Professor Grant*

Prerequisite: Genetics 30 and 300.

62b. CYTOGENETICS (Half course). Considerations of genetical and cytological problems in self-incompatibility, linkage, polyploidy, interspecific and intergeneric hybridization, nullisomics, monosomics, etc.

3 lects. per wk., 2nd term. *Professor Grant*

Prerequisite: Genetics 30, 300 and 62a.

63b. MICROBIAL GENETICS (Half course). An analysis of recent progress in the genetics of microorganisms including viruses, bacteria, yeasts, paramecia, algae and fungi.

Second term: 3 hours. *Professor Grant*

Prerequisite: Genetics 330a.

64b. STATISTICAL METHODS IN GENETICS (Half course). A presentation and discussion of statistical methods of analysing genetic changes in populations of domestic animals and plants, with particular reference to pedigrees, heterosis, selection, etc.

3 lects. per wk., 2nd term. *Professor Paul*

Prerequisite: Genetics 30 and 300.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Course 51 and four other courses from the above are required for the Master's degree in addition to a thesis on a research problem.

A sound knowledge of General Biology is prerequisite.

The research problem may be in Genetics, Cytology or Cytogenetics.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Only candidates who have shown indications of distinct research ability will be permitted to register for the Ph.D.degree. Course 51 must be taken in each year. See general regulations for further requirements.

DEPARTMENT OF GEOGRAPHY

Professor	F. K. HARE, *Chairman*
Associate Professors	J. B. BIRD
	T. L. HILLS
Assistant Professors	R. N. DRUMMOND
	J. L. IVES
Lecturers	F. C. INNES
	G. H. MICHIE
	J. T. PARRY
Honorary Lecturer	G. JACOBSEN

The Geography Department offers the degrees of M.A., M.Sc. and Ph.D. in Geography.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

The following candidates will be eligible to proceed to the degree after one resident session at McGill:

(1) students holding the Honours B.A. of McGill University in Geography;

(2) students from other universities having Bachelor's degrees with a comparable specialization in Geography, together with the important cognate subjects.

Other candidates with degrees in Geography at McGill and other universities may proceed to the degree after one resident session, if, in the opinion of the Chairman, they can make good the deficiencies in undergraduate training in that session, or at the Geography Summer School. These candidates will not, however, be eligible to submit their theses for the May Convocation in that session.

Students with primary undergraduate specialization in a cognate field may, in certain circumstances, register for the M.A. degree in Geography, but will in general be required to register for a qualifying year, and will not be able to submit their theses until the end of the second resident year.

Candidates must

(1) pass written (and in some cases oral) examinations in at least two of the graduate courses listed below;

(2) attend such courses in Geography or cognate subjects as the Chairman and the student's director of research think fit;

(3) submit a thesis in the fields of Human Geography, or in those parts of Geography having a significant bearing on settlement, including planning;

(4) comply with the general field-work requirement (see below).

The quality of the thesis will determine the final standing of the student.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

The following candidates will be eligible to proceed to the degree after one resident session at McGill:

(1) students holding the Honours B.Sc. of McGill University in Geography;

(2) students from other universities having Bachelor's degrees with a comparable specialization in Geography, together with the important cognate subjects.

Other candidates with degrees in Geography from McGill and other universities may proceed to the degree after one resident session, if, in the opinion of the Chairman, they can make good the deficiences in undergraduate training in that session, or at the Geography Summer School. These candidates will not, however, be eligible to submit their theses for the May Convocation in that session.

Students with primary undergraduate specialization in a cognate field may, in certain circumstances, register for the M.Sc. degree in Geography, but will in general be required to register for a qualifying year, and will not be able to submit their theses until the end of the second resident year.

Candidates must

(1) pass written examinations in at least two of the graduate courses listed below:

(2) attend such courses in Geography or cognate subjects as the Chairman and the student's director of research think fit;

(3) submit a thesis in the fields of Physical Geography, or Cartography;

(4) comply with the general field-work requirement (see below).

The quality of the thesis will determine the final standing of the student.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Students who have attained high standing in the Master's degrees in Geography at McGill University, or have equivalent qualifications, may be permitted to proceed to the Ph.D. in two further years. In exceptional circumstances a student may be allowed to register for the Ph.D. without having first taken the Master's degree. Students are advised that in field subjects at least two summers of field work will normally be required.

Except in special circumstances the Department will restrict admission to the Ph.D. course to students prepared to work in one or other of the following fields: the physical, human and regional geography of North America, Europe and the Arctic; historical geography and the history of geographical discovery of North America; climatology; geomorphology; glaciology; certain aspects of tropical geography.

A broad familiarity with the entire field of geography will be assumed in all students who register for the Ph.D. In their preliminary examinations, they must show professional competence, and will be judged as to their familiarity with the literature, methods, and organization of modern geography.

Candidates must

(1) remedy any deficiencies in their formal course-work in Geography to the Master's level, and must also ensure that they have adequate training in the important cognate subjects;

(2) submit themselves for written (and in some cases oral) examinations in five broad fields. These *preliminary examinations* must be chosen as follows: two (known as Geography 71 and 72) from physical geography, advanced physiography, advanced climatology, and cartography; two (known as Geography 73 and 74) from human geography, economic geography, political geography, historical geography, history of geographical thought and regional theory; one (known as Geography 75) on a major region of the earth (viz., North America, Europe, etc.);

(3) submit a thesis in one of the fields listed above; and

(4) comply with the general field-work requirement (see below).

To comply with requirements (1) and (2) above, the candidate may take any of the graduate or undergraduate courses offered by the Department.

GRADUATE COURSES OR SEMINARS

(all courses one meeting weekly)

58 and 59. Special graduate courses given at Knob Lake Research Laboratory.

Professor Ives

60. FRONTIER SETTLEMENT.

A comparative study of frontiers of settlement in northern lands, especially Canada, and in the Tropics. Special attention will be given to the process by which frontiers are expanded and pioneer fringes developed; the physical and cultural conditions influencing this expansion and development; the techniques and institutions involved.

Professor Hills and Staff

62. HISTORICAL GEOGRAPHY OF A SELECTED AREA IN NORTH AMERICA

The nature of historical geography and its development in recent years. The principles of historical geography are applied to a study of cultural landscape evolution in a restricted area of eastern Canada or United States.

The Staff

63a. CLIMATIC CHANGE WITH SPECIAL REFERENCE TO THE POSTGLACIAL EPOCH (Half course).

The concept of normal climate. The Pleistocene aberrations; glacial and pluvial climates and the interglacials. Postglacial sequences in North America and Europe; the thermal maximum. The recent climatic fluctuations. Causes of climatic change.

First term.

Professor Hare

63b. PHYSICAL CLIMATOLOGY (Half course).

The energy and moisture balance of the atmosphere with particular reference to the layers very close to the ground.

Second term. *Professors Orvig and Hare*

65. THE PHYSIOGRAPHY OF A SELECT AREA OF NORTH AMERICA

An analysis of the evolution of the physical landscape of a small area in North America. The course makes considerable use of topographic maps and air photographs and requires the student to apply physiographic theory to actual areas.

Professor Bird

66. CARTOGRAPHY, WITH PARTICULAR REFERENCE TO SPECIAL PURPOSE MAPS

Survey of modern topographical maps of leading countries. Study of features and phenomena of physical and human geography on topographical maps of several countries. Comparison and appreciation of maps.

67. THE GEOGRAPHY OF THE ARCTIC

A study of Northern Lands with particular reference to Arctic Canada. Equal time will be devoted to the physical evolution and special characteristics of northern areas; and to the human response to the environment and recent economic development.

Professor Bird

68. REGIONAL GEOGRAPHY OF A SELECTED AREA

An advanced course designed to illustrate the processes of regional study.

The Staff

69. METHODS OF GEOGRAPHICAL RESEARCH

A review by the staff of the accepted methods of research in geographical problems, in both physical and human fields. Emphasis will be laid upon inadequacies in the existing methodology. The approach will be practical, and will require the presentation of formal research papers for criticism and discussion.

The Staff

71-75. PH.D. PRELIMINARIES (see above).

PLEISTOCENE SEMINAR

Attention is directed to the non-credit interdisciplinary "Seminar on Problems of the Pleistocene and Arctic" held once a week in the McCord Museum and organized by Mr. G. R. Lowther.

FIELD WORK REQUIREMENT

The Geography Department normally holds either an annual field trip immediately before the beginning of the session, to an area of geographical interest in either Eastern Canada or the Northeastern United States, or a series of local field excursions during the fall term. All students in residence will participate in these field studies.

McGILL SUBARCTIC RESEARCH LABORATORY

This laboratory (under the resident direction of Professor J. D. Ives) is at Knob Lake (Schefferville), in the heart of Labrador-Ungava. Facilities exist for research in most aspects of physical geography, and there is a resident staff of five research assistants. Extensive summer field programmes are arranged. Two graduate courses (Geography 58 and 59) are offered. All enquiries should be addressed to the Chairman, Geography Department.

DEPARTMENT OF GEOLOGICAL SCIENCES

Professors	T. H. CLARK
	J. E. GILL
	E. H. KRANCK
Associate Professors	C. W. STEARN
	J. S. STEVENSON
Assistant Professors	P. R. EAKINS
	J. A. ELSON
	V. A. SAULL
	G. R. WEBBER
Lecturer	H. DEHN
Research Associate	M. J. RICKARD

GENERAL STATEMENT

Entrance to graduate work in Geological Sciences may be through the course in Mining Engineering (B.Eng. with good second class standing) or through the B.Sc. course in Geological Sciences (honours Geology, or high second class standing in the General Course).

Students who have not passed courses in Surveying, Calculus, Electricity and Magnetism (or Advanced General Physics), Geophysics, Physical Chemistry, and Chemical Analysis must do so before being eligible for an advanced degree. They must also present evidence of having done satisfactory field work under competent direction for at least one summer.

REQUIREMENTS FOR THE DEGREES OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

Candidates for the degree of Master of Science who have not satisfactorily completed courses equivalent to the undergraduate courses listed below must make up any deficiency and, in addition, take graduate courses A, B, E, and one other as advised. The thesis must conform to the general regulations. (For the degree of M.Sc.(Applied) see below on page 2697.)

Courses for the Degree of Doctor of Philosophy will be selected from the list of graduate courses according to the student's particular interest, on the advice of his director of research. The thesis must conform to the general regulations.

UNDERGRADUATE COURSES

231c. FIELD GEOLOGY.
Two-week field school in May. *Professor Elson*

232b. STRUCTURAL GEOLOGY. *Professor Eakins*

331a. OPTICAL MINERALOGY. *Professor Stevenson*

332. PETROLOGY *Professor Kranck*

341. PALEONTOLOGY. *Professor Clark*
This course may be omitted as a requirement for some M.Sc. students.

342a. GEOMORPHOLOGY. *Professor Elson*

343a. STRATIGRAPHY. *Professor Clark*

344b. MINERALOGRAPHY. *Professor Stevenson*
This course may be omitted as a requirement for some M.Sc. students.

345b. CORRELATION. *Professor Stearn*

441. ORE DEPOSITS. *Professor Gill*

443b. EARTH PHYSICS *Professor Saull*

444. GEOLOGY OF NORTH AMERICA *Professors Elson and Stearn*

GRADUATE COURSES

A. STRUCTURAL GEOLOGY. A review of rock structures and their origins followed by a discussion of broader problems relating to deformation of the earth. Training in the solution of practical problems is provided.
2 hours lecture or seminar per week and assigned problems.
Professors Gill and Eakins

B. GEOLOGICAL COLLOQUIUM. Introduction to graduate work in the geological sciences. The general course divisions are: history of geology, contemporary geological research, methods used in geological research, and the presentation of research results.

2 hours lecture or seminar per week and assignments. *Professor Saull*

C. APPLIED GEOCHEMISTRY. The distribution and abundance of the elements are reviewed. Particular emphasis is placed on the movement of economically valuable elements through the exogenic stage of the geochemical cycle. The principles and techniques used in geochemical exploration for minerals and elements are reviewed. The laboratory work provides exercises in various methods of analysis commonly used in applied geochemistry.

2 hours lecture or seminar and three hours laboratory per week.
Professor Webber

D. MINING GEOLOGY AND MINERAL EXPLORATION PROBLEMS. Methods used in the search for economic mineral deposits and in developing and exploiting them are examined. Principles and hypotheses on which these methods are based are reviewed and discussed critically.

Characteristic problems arising in the mineral exploration field are presented. The majority of these problems deal with the interpretations of geological, geophysical, and geochemical data and their interrelationships. Other problems deal with the planning and execution of mineral exploration programmes in various terrains and climates, and the evaluation of mineral deposits at different stages in their development.

2 hours lecture or seminar per week and assigned problems.
Professors Gill and Eakins

E. PETROLOGY. A presentation of the origin and classification of igneous, sedimentary, and metamorphic rocks, with a discussion of the rock-forming processes and their relationship to mineralization.

2 hours lecture or seminar, 6 hours laboratory per week.
Professor Kranck

F. GEOLOGY OF PETROLEUM. Physical and chemical properties of petroleum and natural gas. Origin of petroleum; migration of petroleum; character of the reservoir and condition of fluids and gases in it. Structural traps, stratigraphic traps. A brief survey of the petroleum resources of the world.

2 hours lecture or seminar per week. *Professor Stearn*

G. MINE PETROGRAPHY. The highly altered rocks connected with ore deposits differ essentially from normal rock types and require special petrographic methods. The microscopic identification of such rocks and their

minerals is studied in the laboratory in connection with a discussion of the chemical-mineralogical processes through which they have been formed.

2 hours lecture or seminar, 2 hours laboratory per week.

Professor Kranck

I. GEOLOGY AND PROBLEMS OF THE PRECAMBRIAN. A survey of Precambrian formations throughout the world with special emphasis on the Canadian Shield. Problems of correlation and interpretation are discussed and some attention is given to mineral resources.

1 hour lecture or seminar per week and assigned problems. *Professor Gill*

J. GEOLOGICAL MAP INTERPRETATION.

1 hour lecture or seminar and assigned problems, 1st term.

Professor Eakins

K. PHOTOGEOLOGY. The interpretation of air photographs in terms of lithology, structure, surficial deposits, and landforms.

2 hours lecture and seminar and laboratory, second term.

Professor Elson

L. ADVANCED PETROLOGY AND PETROGRAPHY. Selected topics on recent theoretical and experimental work in petrology.

2 hours lecture or seminar per week. *Professor Kranck*

M. ADVANCED MINERALOGY. Discussion of the chemical and optical variations, and current classifications within the more important mineral groups. The laboratory gives practice in the precise microscopic identification of individual members of these groups using oil immersion, double variation, and universal stage techniques.

4 hours seminar and laboratory per week. *Professor Stevenson*

N. ADVANCED STRATIGRAPHY. A survey of the stratigraphy of North America. The geological evolution of the continent as it is recorded in the Paleozoic, Mesozoic, and Cenozoic sedimentary rocks.

2 hours lecture per week, laboratory work. *Professors Clark and Stearn*

O. ADVANCED GEOMORPHOLOGY. A thorough knowledge of the contents of Thornbury, Principles of Geomorphology (Wiley, 1954) is assumed. The first term deals with subjects chosen to fit the needs of students and to acquaint them with classic writings. The second term comprises seminars on recent papers. A term paper, preferably based on field work, will be submitted at the end of the year.

2 hours lecture or seminar per week, and assignments. *Professor Elson*

P. ADVANCED PALEONTOLOGY

Special problems and assignments. *Professor Clark*

Q. ADVANCED ECONOMIC GEOLOGY. World distribution of mineral resources; problems of genesis.

1 hour lecture or seminar per week and assigned problems. *Professor Gill*

S. GEOCHEMISTRY. Treatment of those aspects of thermodynamics, kinetic theory, nuclear physics, and atomic physics that are important in general geochemistry. Current geochemical research and certain instrumental methods are also discussed.

2 hours lecture or seminar per week and assignments. *Professor Saull*

T. SEDIMENTARY PETROGRAPHY. Classical and recent papers on sedimentary rocks are discussed. Methods of study of sedimentary rocks and a survey of sedimentary rocks in thin sections are included in the laboratory.

2 hours lecture or seminar per week and laboratory. *Professor Stearn*

U. GLACIAL AND PLEISTOCENE GEOLOGY. Glaciology and the disposition of drift by glaciers; glacial geology and the effects of glacial climates in peripheral areas; changes in level of land and sea; chronology of Pleistocene environmental changes in flora and fauna including man.

2 hours lecture or seminar per week and assignments. *Professor Elson*

V. INSTRUMENTAL ANALYSIS, Application of instrumental methods of analysis to materials of geological interest. Optical spectrography, x-ray spectrometry, x-ray diffraction, spectrophotometry, flame photometry, polarography.

1 hour lecture, 6 hours laboratory per week.

Professor Webber and Mr. Dehn

W. MINERAL AND ROCK ANALYSIS. The theory of rock analysis with emphasis on the suitability and reliability of different methods used in petrological research.

1 hour lecture and 3 hours laboratory per week. *Mr. Dehn*

"Seminar on the Pleistocene and Arctic"; see under Geography.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE (APPLIED)

The general aim of this two-year course is to train students to be capable of planning and carrying out effective exploration for mineral deposits, and of valuing mineral deposits in various stages of development and production. Such students must be provided with:

(1) a sound theoretical and practical background in the use of modern techniques of exploration,

(2) additional information on the economic and technical considerations which distinguish ore bodies from other mineral deposits,

(3) some insight into the legal and financial aspects of mineral exploration.

During the First year Geology graduates and Mining graduates will take different courses, the result being to bring both groups to a common level. In the Second year, with one minor exception, the work will be the same for the two groups.

Honours Geology Graduates—First Year

Geology A (Structural Geology)
Geology B (Geological Colloquium)
Geology J (Field Methods and Problems)
Mining 762 (Mining Engineering)
Mining 768 (Mineral Dressing)
Mining 770 (Ore Analysis)
Mining 782 (Mine Design)
Mining 784 (Mine Finance and Cost Control)
Physics 23 (Electricity and Magnetism)
Physics 23L (Electricity and Magnetism, laboratory)
Physics 24 (Dynamics)
Physics 25 (Statics and Hydrostatics)

Mining Engineering Graduates—First Year

Geology 331a (Optical Mineralogy)
Geology 332 (Petrography, second half only)
Geology 341 (Palaeontology)
Geology 342a (Geomorphology)
Geology 343a (Stratigraphy)
Geology 344b (Mineralography)
Geology 345b (Correlation)
Geology A (Structural Geology)
Geology B (Geological Colloquium)
Geology J (Field Methods and Problems)

Common Second Year

Geology C (Applied Geochemistry)
Geology D (Mineral Exploration Problems)
Geology F (Geology of Petroleum) *or*
Geology I (Pre-Cambrian)
Geology G (Mine Petrography)
Metallurgy G608 (Metallurgical Economics)
Physics 71 (Applied Geophysics)
Geology 341 (Palaeontology) } for Honours Geology graduates only
Geology 344b (Mineralography) }

Candidates obtaining this degree with distinction may be accepted as candidates for the Ph.D. degree.

DEPARTMENT OF GERMAN

Professor H. S. Reiss

Associate Professor Bertha Meyer

PREREQUISITES

In order to be admitted to graduate work in German the candidate must have a B.A. degree with Honours in German and at least second class standing from McGill University, or an equivalent B.A. degree from another College or University of recognized standing.

In estimating the quality and contents of the required undergraduate work the following factors must be borne in mind:

1. The candidate must be able to understand and read German. He must be able to speak it fairly fluently and to write it correctly. Lectures and Seminars are conducted in German. The thesis must (save in exceptional circumstances) be written in German, under the supervision of the Department.

2. Prerequisite literary studies include:

(a) A survey of German literature from its beginnings to the 20th century, with emphasis upon developments since Lessing, supplemented by collateral readings (equivalent to two full courses).

(b) A more detailed study of several special fields. In this respect the undergraduate curriculum of McGill University comprises one full course in the history of the tragedy (one year), one half course in the German lyric, and one half course on Goethe's Faust. Substitutes for these, if found satisfactory, will be honoured by the Department.

(c) A full course in the Middle High German Language and the reading of selected passages from Middle High German Literature (one year).

COURSES FOR THE DEGREE OF MASTER OF ARTS

61. GOETHE
1 meeting weekly. *Professor Reiss*

62. LESSING
1 meeting weekly. *Professor Meyer*

63. GERMAN ROMANTICISM
1 meeting weekly. *Professor Reiss*

65. TWENTIETH CENTURY LITERATURE
1 meeting. *Professor Reiss*

66. MIDDLE HIGH GERMAN LITERATURE AND THE HISTORY OF THE GERMAN LANGUAGE *Professor Reiss*

Two courses must be taken: German 61 and either German 62, 63, 65 or 66.

If the candidate has never taken the undergraduate course in Middle High German Language and Literature or its equivalent, he must make up this deficiency.

As a rule the candidate is advised not to attempt to complete the course work and finish the thesis in one winter session. The best arrangement is: Course studies during the winter session, thesis during the summer, graduation in the autumn.

NOTICE TO CANDIDATES FOR THE Ph.D. DEGREE IN OTHER ARTS OR SCIENCE SUBJECTS

Ph.D. candidates who have to pass a reading test in German and who have the equivalent of one college year of German may join German 4 in the Faculty of Arts and Science. This is a full course, meeting twice a week. At first some time will be devoted to teaching the method of translation, the rest of the time to the actual translation of texts chosen from the various fields of interest. Both the natural sciences and the Arts will be represented in the choice of texts. Interested Ph.D. candidates are advised to take this course during the session preceding the year in which they take their language test.

The course meets on Monday and Friday at 12 o'clock.

Required textbook: C. V. Pollard, The Practical Solution to German Translation.

DEPARTMENT OF HISTORY

Professors H. N. FIELDHOUSE, *Chairman*
C. C. BAYLEY

Associate Professors J. I. COOPER
M. MLADENOVIC
W. S. REID

Assistant Professor P. ZAGORIN

The Honours B.A. in History, which is prerequisite to Graduate work in the subject, may be taken in History alone or in History and another subject. When it is taken in History alone, it requires twelve full courses in European, Canadian, British, and U.S. history, taken in a prescribed sequence, together with certain other approved courses, notably in foreign

languages. It also requires the investigation, continued through two years, of a Special Subject which is studied intensively from original sources. Graduate students who enter without this qualification may find it necessary to make good any deficiency in their preparation and the Department is prepared to make this possible.

COURSES FOR THE DEGREE OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Candidates both for the M.A. and for the Ph.D. are required to take Seminar A, and to take the prescribed examination.

A. HISTORICAL METHOD AND THE PHILOSOPHY OF HISTORY

The members of the Department

In addition, the Department is prepared to direct the research of graduate students in the following fields:

British History:

(a) English history in the later Middle Ages. (Seminar B)

(b) English and Scottish History in the XVI Century. (Seminar D)

(c) English history, 1688-1760. (Seminar F)

(d) English history, 1870-1914. (Seminar G)

(e) Certain aspects of English economic history (Seminar E)

(f) Certain aspects of British foreign policy since 1815. (Seminar K)

European History:

(a) The constitutional development of the Holy Roman Empire in the XIII century. (Seminar C)

(b) The history of western Europe 1870-1914. (Seminar H)

(c) Certain aspects of the history of Slavonic Europe (Seminar N)

Canadian History:

(a) The social and economic history of Montreal, 1867-1900 (Seminar L)

(b) The history of Lower Canada and Quebec in the XIX Century. (Seminar J)

The Redpath Library is well equipped with printed sources for the periods and subjects mentioned above, and students pursuing research in Canadian History will be required, as occasion arises, to avail themselves of the manuscript resources of the Dominion Archives at Ottawa and the Provincial Archives at Quebec, and of parochial and other records in Montreal and its vicinity.

In the case of the Ph.D. degree, the Department may require candidates to spend one year in research at another university or repository of archives.

The preliminary Ph.D. examination will be replaced by a report from the Department on the general work and ability of each candidate and by a general examination on the historical background of the subject of the thesis; this examination can be taken either at the end of the first year or during the second, as decided by the director of the candidate's studies.

Candidates for the degree of Doctor of Philosophy should consult the Department as to the selection of the two foreign languages in which they propose to be examined, as these must be chosen for their bearing upon the candidate's special field of research.

DEPARTMENT OF HORTICULTURE

(Macdonald College)

Associate Professors H. R. MURRAY, *Chairman*
C. D. TAPER

Assistant Professor JEAN DAVID

Lecturer P. M. HARNEY

Adequate laboratory and library facilities are available for the courses listed below and for research.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

A. POMOLOGY
Lectures and colloquium, 3 hours; laboratory, 3 hours. (2 terms)

B. VEGETABLE CROPS
Lectures and colloquium, 3 hours; laboratory, 3 hours. (2 terms)

C. FRUIT AND VEGETABLE PRESERVATION
Lectures and colloquium, 3 hours; laboratory, 3 hours. (2 terms)

D. EXPERIMENTATION. (See Course 60—Department of Agronomy)

E. PLANT PHYSIOLOGY. (See Course 61—Department of Botany)

F. ADVANCED GENETICS AND CYTOLOGY. (See Course 43b—Department of Genetics)

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

1. A candidate must select either course A or course B or course C. If he selects A or B he must take in addition Agronomy 60 (Experimentation) and at least one further course such as Botany 61 (Plant Physiology) or Genetics 43b (Advanced Genetics and Cytogenetics). If he selects course C he must take in addition Botany 61 (Plant Physiology), Bacteriology 34 (Food Microbiology), and either Chemistry 451 (Chemistry of Foods and Feeding Stuffs) or Chemistry 452 (Advanced Food Analysis).

2. The research problem must be approved by the Departments involved, each candidate being jointly responsible to the Department of Horticulture and to some other Department, such as Botany, Genetics, or Plant Pathology, approved by the Faculty for his case.

3. The candidate must spend one summer in the Department before or during the course, or have its equivalent at some other approved institution.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor	J. S. L. Browne, *Chairman*
Assistant Professors	C. J. P. Giroud
	N. Kalant
Lecturers	Ivan Beck
	B. L. Frank
	Michael Gold
Research Assistants	N. Norman
	Janine Stachenko

COURSES FOR THE DEGREE OF M.Sc. or Ph.D.

61. Seminar 1 hour weekly throughout the session.

62. ADVANCED ENDOCRINOLOGY
(to be registered for as Biochemistry 62).
2 hours weekly throughout the session.

63. ADVANCED ENDOCRINOLOGY
(to be registered for as Biochemistry 63).
2 hours weekly throughout the session.
Courses 62 and 63 are given in alternate years.
Course 63 will be given in 1959-60.

64. CLINICAL ENDOCRINOLOGY
1 hour weekly throughout the session.

65. PHYSIOPATHOLOGY
(to be registered for as Experimental Medicine 65).
1 hour weekly throughout the session.

66. PRINCIPLES AND METHODS OF CLINICAL INVESTIGATION
1 hour weekly throughout the session.

67. NEWER LABORATORY METHODS
2 hours weekly half session.

68. SEMINAR. CARDIORESPIRATORY PHYSIOPATHOLOGY (to be registered for as Exp.Med.68)

1 hour weekly.

GENERAL STATEMENT

The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals.

The courses and the direction of research in this department are given in close collaboration with the Department of Experimental Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the Medical Building or in one of a number of hospitals depending on the type of work done (clinical or laboratory) or upon the individual directing the research. Part of the function of the department is the correlation of clinical investigation being done at various hospitals.

Students holding either the M.D. or the B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable.

INSTITUTE OF ISLAMIC STUDIES

Professor	W. C. SMITH, *Director of the Institute*
Associate Professors	NIYAZI BERKES
	KEITH A. CALLARD
	FAZLU-R-RAHMAN
	H. MUHAMMAD RASJIDI
Assistant Professors	CHARLES J. ADAMS
	JOHN ALDEN WILLIAMS
Research Associate	THOMAS HODGKIN
Instructor	PHILIP R. BARKER
Librarian	W. J. WATSON

The Institute offers courses and undertakes to direct research in preparation for the M.A. degree in Islamic Studies, as well as conducting research at a more advanced level. It is planned that the number of Muslims and of Westerners should at all levels be approximately equal. Joint participation, both of students and staff, is a feature of the seminars. Two years of resident study are normally required for the M.A., five for the Ph.D.

The Institute is concerned with Islam as a religion, and with the civilization and society that are founded upon it. Its special emphasis is on the religion as a contemporary and living force; and on the major changes through which the civilization and society are currently going. It would seek such understanding as will enable outsiders to observe those changes intelligently, Muslims to participate in them intelligently, and both to communicate.

Within the total range of modern Muslim development, a special research emphasis on Pakistan is being evolved; including the social sciences as well as the humanities, and bringing together facilities, library, and personnel for a more concentrated and comprehensive study.

Candidates for degrees in Islamic Studies may, with the consent of those departments, be permitted or required to take relevant courses offered by the Departments of History, Economics and Political Science, Philosophy, Comparative Religion, etc. In special cases also these departments recognize participation in relevant courses offered by the Institute as contributing to their own advanced degrees. Such participation by students from other departments is welcomed by the Institute.

The Institute stresses competence in language. At the M.A. level, one Islamic language is required; of Muslim students, one Islamic language other than their own. For doctorate work, all students, Muslim and Western, must have a reading knowledge of *both* French and German (for access to western scholarship on Islam) *and* two Islamic languages, of which one will normally be Arabic.

(A) RESEARCH SEMINARS: ISLAM IN THE MODERN WORLD

Each year, approximately two research seminars are planned on modern developments in Islam in particular areas (such as: the Arab world, Turkey, Iran, India and Pakistan, Indonesia).

1. ISLAMIC DEVELOPMENTS IN THE MODERN ARAB WORLD

The Wahhabi movement; the Sanusi movement; Jamal al-Din al-Afghani; Muhammad 'Abduh; the Azhar; the modernists; the Ikhwan al-Muslimun. The relation between the Islamic and the Arabist factors in modern nationalism.

2 hours.

2. THE DEVELOPMENT OF SECULARISM IN MODERN TURKEY

An analysis of the transition from Ottoman institutions and ideas to those of contemporary Turkey. Beginning with the eighteenth century background of the early attempts at reform, attention is given to the changes during the *Tanzimat*, "Young Turk", and Republican periods, as a preparation for an understanding of contemporary problems raised by secularization.

2 hours.

Professor Berkes

3. MODERN TRENDS IN ISLAM IN INDIA AND PAKISTAN

Islamic developments in India, from the eighteenth century to the emergence of Pakistan.

2 hours. *Professor Fazlu-r-Rahman*

Texts: Shah Waliyullah, *Hujjat Allah al-Balighah, Tafhimat Ilahiyah,* Isma'il Shahid, *'Abaqat;* Sir Sayyid Ahmad Khan, *Tafsir, Laykcharz ka Majmu'ah;* Amir 'Ali, *The Spirit of Islam;* Iqbal, *Reconstruction,* and the poetical works; Abu-l-Kalam Azad, *Tarjumanu-l-Qur'an;* Mawdudi, selected writings; Pakistan constitutional documents.

8. GOVERNMENT IN THE MODERN MUSLIM WORLD

2 hours. *Professor Callard*

9. ISLAM IN RECENT HISTORY

A survey of major movements from the eighteenth century to the present, with an endeavour to elicit a common pattern, and to gain insight into the significance of the chief deviations. A conspectus of the Islamic world's response to internal decline in the eighteenth century and external encroachment in the nineteenth; and of the use of freedom, in theory and in practice, in the twentieth. A comparative study of liberal developments, nationalism, etc.

The documentation for this seminar will be an expanded form of the bibliography given for chapter 2 of Smith, *Islam in Modern History.*

2 hours. *Professor Smith*

(B) SEMINARS ON THE HERITAGE OF CLASSICAL ISLAM

11. HISTORICAL DEVELOPMENT OF ISLAMIC THEOLOGY

An endeavour to understand and appreciate, and to make intelligible in contemporary terms, significant attempts of Muslims at different periods in the past to give intellectual expression to their faith. For 1959-60, special reference to the concepts "iman" and "islam" and the relation between them; as discussed in representative classical and mediaeval Muslim writers, and an endeavour to clarify the significance of the discussions. For the modern period, a consideration of the relative role of *iman* and *Islam* in, for instance, Pakistan.

2 hours. *Professor Smith and Staff*

12. AL-GHAZZALI

The historical background. His life. His writings; viewed in relation to the context out of which they emerged, and considered also for their potential significance for Muslims to-day.

2 hours. *Professor Fazlu-r-Rahman*

13. THE SOCIAL INSTITUTIONS OF ISLAM—(1) Government and State

An introductory consideration of the chief varieties of religious attitude to society in general, and to government in particular; their range in man's religious history generally, and recent attempts (e.g. Max Weber) at systematic presentation and analysis. The situation of Islam in this regard, within the wider context. A survey of the historical evolution of this Islamic view, and of the various patterns and concrete manifestations of Muslim political theory and practice through the centuries. This historical development will be considered chiefly under these headings:

(i) The first Islamic *Ummah;*

(ii) The classical period of Islamic history: the 'Abbasi *khilafah* in practice, and the *khilafah* idea;

(iii) The mediaeval period: the rise of "Sultanism" from the time of the Seljuks, and the organization of authority in the Ottoman, Safawi, and Mughul empires;

(iv) The rise of modern states and their challenge to Islam: the Turkish secular state; the Persian constitutional monarchy; the Arab states and their political problems; the Islamic state of Pakistan; Islamic state vs. nationalism in Indonesia.

2 hours. *Professor Berkes*

14. THE SOCIAL INSTITUTIONS OF ISLAM—(2) Law

(*Not offered in 1959-60.*)

25. READINGS IN THE CLASSICAL ARABIC PHILOSOPHERS

A consideration of the development of philosophic thought among the Muslims, and its relation to the late Greek background; with special reference to Ibn Sina (Avicenna). Some of his writing, especially the *Kitab al-Najat*, or al-Ghazzali's *Tahafut*, will be read in Arabic. The role of *falsafah* in classical Islamic culture and thought.

3 hours. *Professor Fazlu-r-Rahman*

(C) PAKISTAN

31. POLITICAL FORCES IN PAKISTAN

A study of the background of the contemporary ferment in the political life of Pakistan. The following topics will be discussed: religion and public life; religio-political parties and movements; political position of the minorities; major parties and political power; provincial and local factors; poverty and politics; forces favouring and opposing democratic institutions. The 1956 constitution and its 1958 abrogation.

2 hours. *Professor Callard*

(D) COURSES ON ISLAM

55. ISLAMIC HISTORY: THE CLASSICAL (ARAB) PERIOD

The Arabs from the rise of Islam to the fall of Baghdad and Granada. The rise and ascendancy of the Seljuqs.

3 hours. *Professor Williams*

56. ISLAMIC HISTORY: THE MEDIAEVAL AND MODERN PERIODS

The Mongols; the Mamluks. The Turkish, Persian, and Indian Islamic empires. Islam in Indonesia. The Islamic world in the nineteenth and twentieth centuries.

(These two courses are available in alternate years. In 1959-60, the classical period will be offered.)

57. INTRODUCTION TO ISLAM

An attempt to present and interpret the faith of Islam in such a way as to clarify how it appears both to an outsider and from within. The scripture, prophet, institutions, and history of the religion, with particular attention to meaning.

3 hours (Half course). *Professor Smith*

62. ISLAMIC RESEARCH MATERIALS

An introduction to the research materials used in Islamic studies. Some preliminary discussion of research methods, of the preparation of reports and essays; documentation; transliteration. Particular attention is given to the special reference books and serials used in the field.

1 hour (one term only). *Mr. Watson*

(E) LANGUAGE

61. PRINCIPLES OF LINGUISTICS, WITH SPECIAL REFERENCE TO THE LANGUAGES OF THE MUSLIM WORLD

The fundamentals of phonetics, phonemics, morphology, and syntax, employing the various languages of the Muslim World as principal examples. Language and Culture; the interrelations between thought and speech; structural linguistics in its cultural context.

3 hours. *Mr. Barker*

Instruction in individual languages is offered as follows.

Not all courses are available each year. The elementary courses in each case are five hours per week, and do not normally carry graduate credit unless followed by a second year in the same language. Other levels are three hours per week.

100. ELEMENTARY ARABIC
101. LOWER INTERMEDIATE ARABIC
102. HIGHER INTERMEDIATE ARABIC
103. ADVANCED ARABIC (ARABIC PHILOSOPHIC OR THEOLOGICAL LITERATURE) For 1959-60 the same as ISLAMICS 25.
110. ELEMENTARY TURKISH
111. LOWER INTERMEDIATE TURKISH
112. HIGHER INTERMEDIATE TURKISH
113. ADVANCED TURKISH (TURKISH HISTORICAL LITERATURE)
120. ELEMENTARY PERSIAN
121. LOWER INTERMEDIATE PERSIAN
122. HIGHER INTERMEDIATE PERSIAN
123. ADVANCED PERSIAN (PERSIAN RELIGIOUS POETRY)
130. ELEMENTARY URDU
131. LOWER INTERMEDIATE URDU
132. HIGHER INTERMEDIATE URDU
133. ADVANCED URDU
140. ELEMENTARY MALAY AND INDONESIAN

From 1959-60 it is planned that further courses in Indonesian, to an advanced level, will be arranged.

DEPARTMENT OF LAW

Professors	W. C. J. MEREDITH, *Dean*
	LOUIS BAUDOUIN
	MAXWELL COHEN
	F. R. SCOTT
Assistant Professor	R. I. CHEFFINS
Lecturers	A. L. BISSONNETTE
	G. S. CHALLIES
	JOSEPH COHEN
	J. G. GAZDIK
	MARC LAPOINTE
	G. R. W. OWEN
	W. J. MCQUILLAN
	JAMES A. SODEN
	P. F. VINEBERG

COURSES FOR THE DEGREE OF MASTER OF CIVIL LAW

Candidates must hold the degree of B.C.L. with at least second class honours from McGill University, or its equivalent. They must select one of the four following departments of study, in which they must follow at least one course throughout a session of residence, and must under supervision prepare an acceptable thesis. The general rules for the Master's degree will apply.

The departments of study, which may not all be offered each year, are

Roman Law

Civil Law

Commercial and Maritime Law

Public Law, including International Law

Students may also be required to follow cognate courses in other Departments of the Faculty.

COURSES FOR THE DEGREE OF MASTER OF LAWS

This degree is offered only in the Institute of International Air and Space Law (A. B. Rosevear, Q.C., *Director*). Candidates must hold a degree in Law or be admitted to the Bar, and only those highly qualified or recommended can be accepted; it is desirable that they should possess a working knowledge of both English and French.

The curriculum consists of at least one session's resident study at the Institute. Students whose work is found satisfactory will be permitted to submit a dissertation on an approved subject within the field of the Institute's work during the following year, even though not then in residence. They must be registered, as resident or non-resident, for the session in which the dissertation is submitted. A very high standard will be required for this degree.

Students will be required to take the four courses listed below, which are prescribed. Others may be selected from courses given in the Law Faculty.

International Transport Law

Public International Air Law

Private International Air Law

International Air Regulations

LIBRARY SCHOOL

Associate Professor	VERNON ROSS, *Director*
Assistant Professors	VIRGINIA E. MURRAY
	VIOLET COUGHLIN
	EFFIE ASTBURY
Visiting Lecturers	

Requirements for admission are stated on page 2626.

COURSES FOR THE DEGREE OF MASTER OF LIBRARY SCIENCE

In addition to the thesis it will be necessary to take one required and the equivalent of two full elective courses. Electives may not all be available in any one year. Enquiries should be addressed to the Library School office. Limited travel funds for research and attendance at occasional seminars will be available at the discretion of the Director.

REQUIRED

A. Thesis.

B. Research methods in library science.

ELECTIVE

C. Canadiana; archival and historical materials, their care and use.

D. Documentation; the acquisition and retrieval of research material. (Half course.)

E. Government documents. (Half course.)

F. Serials. (Half course.)

G. Cataloguing and classification; problems and developments.

H. The library in the community; school, college, and adult education work.

I. Advanced reference methods and materials. (Half course.)

S. A special subject may be taken in another Department of the University provided that the candidate has the qualifications normally required for advanced work in that field. Special permission must first be obtained from the Dean, the Director of the School and the Chairman of the Department concerned.

DEPARTMENT OF MATHEMATICS

Professors
HERBERT TATE, *Chairman*
CHARLES FOX
E. M. ROSENTHALL
P. R. WALLACE

Associate Professors
M. D. BURROW
HYMAN KAUFMAN
J. LAMBEK
E. L. LOMON
T. F. MORRIS
J. E. L. PECK
H. W. E. SCHWERDTFEGER
R. T. SHARP
C. D. SOLIN

Assistant Professors
G. D. FINDLAY
SIDNEY KAHANA
Z. A. MELZAK
N. E. OLER
B. A. RATTRAY

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

Applied Mathematics and Mathematical Physics

661. METHODS OF MATHEMATICAL PHYSICS. Introduction to the equations of mathematical physics, classification of differential equations, integral representations, the solution of problems of mathematical physics involving the Laplace, Poisson, and scalar and vector Helmholtz and wave equations; tensor calculus.

3 hours. *Professor Wallace*

Textbook: H. Feshbach and P. M. Morse, Methods of Theoretical Physics (Technology Press, M.I.T.).

662. QUANTUM MECHANICS (Physics 62). Introduction to the ideas and methods of quantum theory, with illustrations from the simpler applications in atomic and nuclear physics.

3 hours. *Professor Kahana*

Textbooks: D. Bohm, Quantum Theory (Prentice-Hall); L. Schiff, Introductory Quantum Mechanics (McGraw-Hill).

663. ADVANCED QUANTUM MECHANICS. Methods of advanced quantum theory, including non-relativistic and relativistic scattering processes; Dirac electron theory, interaction of radiation with atomic and nuclear systems, quantum electrodynamics, quantum field theory.

2 hours. *Professor Sharp*

References: Fermi, Elementary Particles (Yale); Heitler, Quantum Theory of Radiation (Oxford); Kramers, Quantentheorie (Edwards); Mott and Massey, Theory of Atomic Collisions (Oxford); Pauli, Wellenmechanik (Edwards); Schiff, Quantum Mechanics (McGraw-Hill); Sommerfeld, Wellenmechanik (Ungar); Wentzel, Quantum Theory of Fields (Interscience)

654. MATHEMATICS OF QUANTUM CHEMISTRY. Atomic structure, chemical bonding, theory of valency, elements of quantum statistical mechanics: for second year graduate students.

2 hours. *Professor Morris*

Textbooks: Heitler, Elementary Wave Mechanics (Oxford); Glasstone, Theoretical Chemistry (Van Nostrand).

References: Pauling and Wilson, Introduction to Quantum Mechanics (McGraw-Hill); Dushman, Elements of Quantum Mechanics (Wiley); Gurney, Elementary Quantum Mechanics (Cambridge); Mott, Outline of Wave Mechanics (Cambridge); Penney, Quantum Theory of Valency (Methuen); Eyring, Kimball, and Walter, Quantum Chemistry (Wiley).

665 STATISTICAL MECHANICS AND KINETIC THEORY OF MATTER (Physics 65). Classical and quantum statistical mechanics, with applications; statistical theories of the gaseous, liquid, and solid states, including kinetic theory of gases, Debye theory of specific heats, dieletrics, and magnetism, theory of strongly degenerate gases, Planck radiation law, electron theory of metals, Bose-Einstein condensation theory of liquid helium II.

2 hours. *Professor Morris*

Textbook: Lindsay, Physical Statistics (Wiley).

References: Mayer and Mayer, Statistical Mechanics (Wiley); Fowler, Statistical Mechanics (Cambridge); Tolman, Statistical Mechanics (Oxford); Schrödinger, Statistical Thermodynamics (Cambridge); Rice, Statistical Mechanics (Constable); Kennard, Kinetic Theory of Gases (McGraw-Hill); Loeb, Kinetic Theory of Gases (McGraw-Hill).

666. RELATIVITY. The Lorentz transformation, mechanics in special theory of relativity, relativistic formulation of electromagnetic theory. Motion of particles in the electromagnetic field, the physics of relativistic particles, with reference to high-energy accelerators and cosmic ray phenomena.

spinor calculus, the Dirac theory of the electron, relativistic invariance in quantum theory. Other relativistic fields, e.g. meson.

2 hours. *Professor Morris*

References: MacCrea, Relativity Physics (Methuen); Bergmann, Introduction to the Theory of Relativity (Prentice-Hall); Heitler, Quantum Theory of Radiation (Oxford).

667. FLUID DYNAMICS. Equations of motion. Conformal transformations and complex potential theory. Airfoil theory. Vortex theory in two and three dimensions. Theory of viscous flow. Theory of boundary layer.

3 hours. *Professor Fox*

References: Milne-Thompson, Hydrodynamics (Macmillan); Streeter, Fluid Dynamics (McGraw-Hill).

668. ELECTROMAGNETIC THEORY. General properties of the electromagnetic field, relativistic formulation of the theory. Fields and radiation produced by relativistic particles, with application to the angular and frequency distribution from particles in high energy accelerators. Interaction of radiation and charged particles with matter, energy loss, bremsstrahlung, Weiszacker-Williams method. Radiation reaction and damping, classical divergence difficulties. Radiation by finite systems, multipole expansion, angular momentum of radiation, semi-classical treatment of radiation from quantized systems.

2 hours. *Professor Lomon*

References: Heitler, Quantum Theory of Radiation (Oxford); Landau and Lifshitz, Classical Theory of Fields (Addison-Wesley); Stratton, Electromagnetic Theory (McGraw-Hill).

669. SEMINAR IN APPLIED MATHEMATICS. Graduate students proceeding to an advanced degree with specialization in Applied Mathematics will be expected to attend and to participate in this seminar, which will be devoted to discussions of current research topics.

Professors Kahana, Morris, Lomon, and Wallace

670. THEORY OF THE SOLID STATE. Motion of electrons in crystals; energy bands and Brillouin Zones. Theory of metals. Theories of electric and thermal conductivity, Hall effect, magnetic susceptibility and specific heat of crystals. Types of binding. Electronic motion in ionic crystals; induced conductivity in insulators Semi-conductors; electron emission and surface contact problems.

2 hours. *Professor Wallace*

References: Mott and Jones, Properties of Metals and Alloys (Oxford), Seitz, Modern Theory of Solids (McGraw-Hill); Seitz and Turnbull, Solid State Physics (I-V) (Interscience); Kittel, Introduction to Solid State Physics (2nd Ed.) (Wiley); A. H. Wilson, Theory of Metals (Cambridge); Slater, Reports of the Solid State and Molecular Theory Group (M.I.T.).

671. GROUP THEORETICAL METHODS IN QUANTUM MECHANICS. Introduction to the ideas and methods of group theory with applications to quantum mechanics; rotation, permutation, Lorentz groups; classification of atomic and molecular spectra; theory of nuclear supermultiplets.

2 hours. *Professor Morris*

References: S. Bhagavantam and T. Venkatarayudu, Theory of Groups and its Application to Physical Problems (Waltair); H. Weyl, The Theory of Groups and Quantum Mechanics (Methuen); Wigner, Gruppentheorie (Edwards); Van der Waerden, Die gruppentheoretischen Methoden in der Quantenmechanik (Springer).

672. THEORETICAL NUCLEAR PHYSICS. The quantum mechanics of nuclear processes, including nuclear ground state properties, nuclear forces, structure of nuclei, beta and gamma emission, nuclear reactions at low and high energies.

2 hours. *Professor Lomon*

References: Bethe, Elementary Nuclear Theory (Wiley); Fermi, Nuclear Physics (Chicago); Evans, The Nucleus (McGraw-Hill); Mayer and Jensen, Introduction to the Theory of Nuclear Shell Structure (Wiley); Rosenfeld, Nuclear Forces (Interscience).

673. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM. Theory of electrostatic charge and potential. Problems in two and three dimensional charge distribution. Application of Gauss, Green, and Stokes theorems. Electric currents and problems in networks. Magnetism and magnetic vector potentials. Problems in three dimensional magnetic distributions. Electromagnetic induction. Maxwell's field equations. Electromagnetic waves. Theory of the Retarded Potential. The postulates of special relativity, Lorentz transformations, field of a moving charge.

2 hours. *Professor Fox*

Text: William R. Smythe, Static and Dynamic Electricity (McGraw-Hill).

674. MATHEMATICAL THEORY OF ELASTICITY. Components of stress and strain. Equilibrium and compatibility equations, problems with boundary conditions. The use of polar co-ordinates and the complex variable in two dimensional problems. Strain-energy method and the principle of

virtual work. Torsion of bars, shafts, and tubes. The use of polarized light, soap films, and membranes in solving problems of stress. The propagation of waves in elastic media. Waves of distation and distortion. Applications to problems of seismology.

2 hours. *Professor Fox*

Texts: S. Timoshenko, Theory of Elasticity (McGraw-Hill); A. E. H. Love, A Treatise on the Mathematical Theory of Elasticity (Cambridge University Press).

675. THEORETICAL HIGH ENERGY PHYSICS. The interpretation of pion-nucleon scattering, pion photoproduction and related topics in terms of the properties of the elementary particles and their interaction. The application of field theory and dispersion relations to the detailed results of the above interactions. The strange particles, their classification according to isotopic spin, associated production, and their interactions. Weak decays and the conservation laws.

2 hours. *Professor* ———

References: Bethe and de Hoffman, Mesons andFields II (Row Peterson, 1955); High Energy Nuclear Physics, Proceedings of the (recent) Annual Rochester Conferences (Interscience).

Algebra and Theory of Numbers

771. ALGEBRA. Simple properties of groups, modules with operators, algebras, fields, polynomials, factorization of polynomials, algebraic equations, finite extensions, splitting fields, Galois theory, solution of algebraic equations by radicals, solvable groups; Noether rings, valuation theory, p-adic numbers, ideal theory, cyclotomic fields, Fermat's theorem.

3 hours. *Professor Rosenthall*

Texts: Jacobson, Theory of Rings; Van der Waerden, Modern Algebra.

772a. THEORY OF ABSTRACT GROUPS. Axioms of group theory, groups and subgroups, normal subgroups, homomorphisms, isomorphy theorems, groups with operators, groups and lattices, Jordan-Hölder-Schreier theorem, theorem of Wedderburn-Remak-Krull-Schmidt-Fitting-Ore. Groups with generators and defining relations, extension theory, abelian groups.

3 hours, first term. *Professor* ———

Texts: Speiser, Die Theorie des Gruppen von endlicher Ordnung; Kurosh, Theory of Groups; Zassenhaus, Theory of Groups.

772b. REPRESENTATION THEORY. General problems of representation theory, representation spaces, invariant spaces, reduction and decomposition. Theorems of Maschke-Wintner, Schur on full reducibility, structure of

the group algebra for any characteristic, Wedderburn structure theorems, application to finite groups, structure of finite near fields, induced and produced representation, cohomology theory.

3 hours, second term. *Professor* ————

Prerequisite: Mathematics 772a.

Text: Van der Waerden, Modern Algebra.

773a. LATTICE THEORY AND UNIVERSAL ALGEBRA. Partially ordered sets, modular lattices, lattice ordered semigroups, theorems on normal series and direct decomposition for general algebraic systems.

3 hours, first term. *Professor Lambek*

773b. THEORY OF RINGS. Infinite abelian groups, rings and modules, tensor product, structure and representation of rings, rings of quotients, multiplicative ideal theory.

3 hours, second term. *Professor Findlay*

774a. FREE GROUPS. The course will include the material in Kurosh Vol. II, and also representation of free groups in free associative rings, the derivative, theorems on the lower central series, the study and application of free Lie Rings.

3 hours, first term. *Professor Burrow*

774b. LIE GROUPS. Topological groups, differentiable manifolds, Lie groups, classical groups, local isomorphism, one parameter subgroups, canonical coordinates, correspondence between Lie groups and Lie algebras, exterior differential forms.

3 hours, second term. *Professor Rattray*

Text: Chevalley, Lie Groups.

775. SEMINAR IN ALGEBRA. Topics selected to suit the class.

Professor ————

776. ANALYTIC NUMBER THEORY. Arithmetical functions, elementary theory of the distribution of primes; proof of the prime number theorem, Dirichlet's theorem on number of primes in arithmetic progression; asymptotic and convergent formulas for the partition of n.

3 hours, one term. *Professor Rosenthall*

777. GEOMETRY OF NUMBERS. Minkowski's theorems on convex bodies; successive minima of gauge functions and their consequences; linear inequalities including Kronecker's general approximation theorem and products of linear forms; extrema of quadratic forms.

3 hours, one term. *Professor Rosenthall*

778. SEMINAR IN THEORY OF NUMBERS. Selected topics.

Analysis

780. ANALYSIS. Cardinal and ordinal numbers, the maximal principle; measure and integration, convergence theorems, absolute continuity, Lebesgue-Stieltjes measure and differentiation, product measures; Banach spaces, linear operators, dual spaces with examples, the Hahn-Banach theorem, Hilbert space.

3 hours. *Professor* ———

781. COMPLEX VARIABLE. Cauchy's theorem, expansion in series and products, singularities, analytic continuation. Additional topics selected by the instructor.

3 hours, one term. *Professor Schwerdtfeger*

782. CALCULUS OF VARIATIONS. The first variation and the Eulerian characteristic equation, the second variation, Legendre's test and the theory of conjugate points; isoperimetrical problems; integrals with variable end points and Hilbert's integrals. Strong variations and the Weierstrassian E function. Hamilton's principle and the principle of least action.

3 hours. *Professor Fox*

783 FOURIER TRANSFORMS. Fourier, Laplace and Mellin transforms, applications to probability; generalized Fourier transforms, Watson and Bochner transforms; integral and dual integral equations.

3 hours, one term. *Professor Fox*

784. ANALYSIS ON GROUPS. Locally compact groups, Haar measure, group algebra, character group, Fourier transforms.

3 hours, one term. *Professors Burrow and Rattray*

785. BANACH ALGEBRAS. Topics selected from: the representation and structure of commutative Banach algebras, algebras with involution, H* algebras, von Neumann algebras; Krein-Milman theorem and applications.

3 hours, one term. *Professor Peck*

786. SPECTRAL THEORY. Linear operators on Hilbert space; the spectral theorem and applications.

3 hours, one term. *Professor Peck*

787. EXISTENCE THEOREMS. Analytic and topological preliminaries, discontinuous additive functions, fixed point theorems, theorems of Ascoli and Cauchy-Peano, implicit functions, completely continuous operators. Applications to functional equations, viz., ordinary and partial differential, integral etc.

3 hours, one term. *Professor Melzak*

788. EIGENVALUE PROBLEMS. Self adjoint differential equations and operators; existence of eigenvalues and eigenfunctions, singular self-adjoint problems, limit point and limit circle cases, expansion in terms of eigen-functions.

3 hours, one term. *Professor Melzak*

789. ORDINARY DIFFERENTIAL EQUATIONS. Existence and uniqueness theorems; approximation methods, systems of equations; boundary and eigenvalue problems; stability theory.

3 hours, one term. *Professor Kaufman*

References: W. Hurewicz, Ordinary Differential Equations in the Real Domain (Brown University, 1943); E. A. Coddington and N. Levinson, Theory of Ordinary Differential Equations (McGraw-Hill, 1955).

790. PARTIAL DIFFERENTIAL EQUATIONS. Introduction to equations of elliptic, parabolic, and hyperbolic type; singular solutions, Green's function; application of Fourier series and integrals; variational methods.

3 hours, one term. *Professor Kaufman*

References: I. N. Sneddon, Elements of Partial Differential Equations; Courant-Hilbert, Methods of Mathematical Physics, Vol. II.

791. SPECIAL FUNCTIONS

3 hours, one term. *Professor Rosenthall*

792a. FOURIER SERIES AND APPROXIMATION. Approximation in function spaces; orthogonal sets of functions and general Fourier series; orthogonal polynomials; trigonometrical Fourier series; almost periodic functions.

3 hours, first term. *Professor Schwerdtfeger*

References: W. W. Rogosinski, Fourier Series; N. I. Achieser, Theory of Approximation.

792b. INTRODUCTION TO INTEGRAL EQUATIONS. Resumé of finite dimensional linear algebra; types of linear integral equations; Hilbert's theory; Schmidt's theory of the symmetric kernel; applications to boundary value problems of linear differential equations and to almost periodic functions.

3 hours, second term. *Professor Schwerdtfeger*

References: Courant and Hilbert, Methods of Mathematical Physics; F. Riesz and B. Sz. Nagy, Leçons d'analyse fonctionelle.

793. SEMINAR IN ANALYSIS. Selected topics in analysis to suit the needs of the students.

Geometry and Topology

892. DIFFERENTIAL GEOMETRY. Classical local geometry of curves and surfaces. In particular. first and second fundamental forms, curvature of

plane sections, mean and Gaussian curvature, geodesics. Global theory of curves and surfaces, Riemannian manifolds, tensor algebra, covariant differentiation, curvature tensors.

3 hours, one term. *Professor Rattray*

893. ANALYTIC AND SYNTHETIC PROJECTIVE GEOMETRY. This course will follow a classical presentation. Some of the topics emphasized are: perspectivity and projectivity, projective theorems relating to the conics, groups of linear transformations, correlations and polarities.

3 hours, one term. *Professor Tate*

894. ALGEBRAIC GEOMETRY. Quadratic surfaces, Grassman manifolds, higher curves; valuations, divisors; Riemann-Roch theorem, applications; De Rham theorem; harmonic integrals; multiplicity and local uniformisations; Riemann surfaces.

3 hours. *Professor*———

References: C. Chevalley, Introduction to the Theory of Algebraic Functions of One Variable; Van der Waerden, Einführung in die algebraische Geometrie; Hodge and Pedoe, Algebraic Geometry I, II and III.

895b. TOPOLOGY. Product and quotient spaces, function spaces, weak topologies, dimension theory, homology groups.

3 hours, second term. *Professor Rattray*

Prerequisite: Maths. 445a. or equivalent.

896. SEMINAR IN GEOMETRY AND TOPOLOGY. Topics to suit the class.

Probability and Statistics

900. SEMINAR IN STATISTICS. Topics selected from advanced probability and statistics.

2 hours. *Professor* ———

901. THE DESIGN OF EXPERIMENTS. Principles of Experimental design, least squares aspects of the Anov; randomization; analysis of randomized blocks, Latin squares and incomplete block designs; factorial and split-plot experiments, confounding. The construction of designs: Orthogonal sets of Latin squares, balanced and partially balanced incomplete block designs, the general symmetrical factorial design.

2 hours. *Professor* ———

References: O. Kempthorne, The Design and Analysis of Experiments; Cochran and Cox, Experimental Designs

902b. THEORY OF GAMES. Zero-sum, two-person games, finite and infinite; games in extensive form; n-person games; applications; recent contributions.

3 hours, second term. *Professor Peck*

History and Foundations

903. STATISTICAL INFERENCES. Tests of significance I; tests of goodness of fit and allied tests; theory of estimation; parametric estimation; the Cramer-Rao inequality; tests of significance II; the Neyman-Pearson theory; non-parametric methods.

2 hours. *Professor* ———

1001. MATHEMATICAL LOGIC. A formal treatment of logical systems such as the propositional calculus, quantification theory, formalized arithmetic and set theory, the calculus of lambda conversion, with emphasis on questions of consistency and completeness. The theory of recursive or computable functions is developed in detail and applied to the construction of undecidable statements in arithmetic, the theorems of Gödel and Church, the word problem in semigroups.

3 hours. *Professor Lambek*

Reference: Kleene, Introduction to Metamathematics (Van Nostrand).

1002. MATHEMATICAL LINGUISTICS. Information theory, Zipf's law, mathematical syntax, mechanical translation of languages.

3 hours, one term. *Professor Lambek*

General Remarks

1. The following undergraduate mathematical courses may, in special circumstances, be taken for graduate credit:

Listed in the Arts and Science Announcement—

331 (Statics and Dynamics); 333 (Advanced Calculus); 334 (Differential Equations); 439 (Mathematical Statistics); 441 (Mathematical Physics); 442 (Algebra); 443 (Numerical Analysis); 444 (Analysis); 446a (Fluid Dynamics); 446b (Mathematical Theory of Electricity and Magnetism); 448b (Advanced Dynamics); 449b (Tensor Analysis).

Listed in the Engineering Announcement—

1260 (Differential Equations).

2. The attention of students taking the course for M.A. or M.Sc. is called to the University requirements described on pages 2622, 2623 and 2624 of this Announcement. Students seeking an M.A. or M.Sc.

degree are required to pass in three approved full courses in mathematics and to participate in any assigned seminars, and to present an acceptable thesis. They may be required to submit to an examination on the subject matter of the thesis and the general background of the field of mathematics with which the thesis is concerned.

3. Attention is called to the evening courses leading to the degree of Master of Engineering, which are described in this Announcement under the Department of Electrical Engineering, and to other evening courses.

4. Owing to the increasing impact of Pure and Applied Mathematics upon a large variety of fields of study, attention is particularly called to the possibility of arranging a suitable programme of mathematical courses to meet the individual needs of graduate students majoring in fields other than those listed above.

5. The attention of students who contemplate working for a Ph.D. degree with Mathematics as a major subject is called to the University regulations on pages 2627-2630 of this Announcement. Properly qualified students may be admitted to candidacy for the Ph.D. in Pure Mathematics or in Applied Mathematics by the Graduate Committee of the Department with the approval of the Dean of the Faculty of Graduate Studies and Research. Except in very exceptional cases, students would be admitted to candidacy only after having completed the work for the Master's degree at McGill or elsewhere with distinction. The Ph.D. degree is awarded on the basis of the attainment of a good knowledge of mathematics in general and the writing of a thesis which definitely advances the subject which it treats.

Detailed information regarding departmental requirements is contained in a bulletin, which is issued by the Department. This can be obtained on application to the Chairman of the Department. The courses offered during the 1959-60 session will be selected from numbers 661 to 1001 and will be announced at the beginning of the session. The following courses were given during the 1958-59 session: 661, 662, 663, 666, 667, 668, 669, 670, 672, 675, 775, 780, 783, 785, 900, 1001.

DEPARTMENT OF MECHANICAL ENGINEERING

Professors — William Bruce, *Chairman*; D. L. Mordell

Associate Professors — A. R. Edis; J. W. Stachiewicz; A. L. Thompson

The requirements for the M.Eng. degree in mechanical engineering include lecture courses, research work and thesis, and participation in the seminar. Candidates are required to take courses in other departments and are encouraged to take cognate subjects in other faculties.

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING

All students proceeding to the Master of Engineering degree in Mechanical Engineering are required to take a course in Applied Mathematics together with such other courses as may be deemed necessary for progress in the selected field of research.

G504. SEMINAR.

1 to 2 hrs. per week, session.

All candidates are required to participate.

1. MACHINE DESIGN

G510. ADVANCED MACHINE DESIGN

2 hours per week, session. *Professor Edis*

G511. SELECTED TOPICS IN ADVANCED MACHINE DESIGN

6 hours drafting room per week, session. *Professor Edis*

G521. PROCESS EQUIPMENT DESIGN

2 hours per week, session. *Professor Edis*

2. THERMAL POWER

G518. GAS TURBINE PROBLEMS AND DISCUSSION

2 hours. *Professor Mordell*

G519. GAS TURBINES

2 hours. *Professor Mordell*

G520. HEAT TRANSFER

2 hours, one term. *Professor Mordell*

G521. NUCLEAR ENGINEERING

2 hours, one term. *Professor Edis*

G522. COMBUSTION

1 hour per week, second term. *Professor Thompson*

Prerequisite: Chemical Kinetics 982.

Other credit courses are given under the auspices of the Department of University Extension and include High Speed Aerodynamics and Process Heat Transfer.

DEPARTMENT OF METALLURGICAL ENGINEERING

Professor	J. U. MACEWAN, *Chairman*
Associate Professor	H. H. YATES
Lecturer	C. D. EASTEAL

Adequate laboratory and library facilities are available for the courses listed below and for research.

All applicants for admission to advanced studies in the Department of Metallurgical Engineering are required to have fundamental training in Physical Chemistry and Chemical Thermodynamics, and applications of this training to metallurgical processes.

G601. PROPERTIES AND STRUCTURES OF METALS. Atomic structure; electron theory of metals in the solid state; theory of plastic deformation of metals applied to single crystals; phase transformation; recrystallization; creep; assigned reports.

2 hours per week. *Professor MacEwan*

G602. HYDROMETALLURGY. The application of physical and chemical principles to hydrometallurgical processes.

2 hours per week. *Professor Yates*

G603. UNIT PROCESSES IN EXTRACTIVE METALLURGY. Theoretical studies of selected processes for the smelting and refining of metals. Engineering applications of these processes will be considered. Reports will be assigned.

2 hours per week. *Professor MacEwan*

G608. PROCESS METALLURGY. This course is for candidates for the degree of Master of Science (Applied) in Geology. Extractive metallurgical processes with emphasis on the utilization and evaluation of ores and concentrates.

2 hours per week. *Professor MacEwan*

G605. METALLURGICAL THESIS. A thesis is to be submitted on research conducted in one of the following fields:

(a) Hydrometallurgy
(b) Pyrometallurgy
(c) Physical Metallurgy

A. Requirements for the degree of Master of Engineering in Metallurgical Engineering

Candidates for this degree must hold a recognized degree in Metallurgical Engineering or a related field as noted in the following paragraph, and complete the course requirements noted below.

Applicants holding a recognized Engineering degree in some related field can proceed to the Master's degree in Metallurgical Engineering by taking a qualifying year before being registered as degree candidates in the Faculty of Graduate Studies and Research. Students in this category must have their records appraised by the Department and a programme of studies outlined for the qualifying year.

Course Requirements

1. Two of the three graduate courses in Metallurgy: G601, G602 and G603.
2. One course in Mathematics as required by the Department of Metallurgical Engineering.
3. Metallurgical Thesis, G605.

B. Requirements for the degree of Master of Science in Metallurgy

Candidates for this degree must have had previous training in the basic sciences of chemistry or physics or both and hold a Bachelor of Science or equivalent degree. Students who hold a Bachelor of Science degree in Metallurgy or its equivalent may be able to proceed to the Master's degree in one year.

Students whose training is deficient will be required to take courses in Metallurgy and in cognate subjects in Chemistry and Physics during a qualifying year before being registered as degree candidates in the Faculty of Graduate Studies and Research.

Applicants for admission will have their academic records appraised by the Department of Metallurgy and a programme of studies will be outlined.

Course Requirements

The course requirements are the same as outlined for the degree of Master of Engineering.

DEPARTMENT OF METEOROLOGY

Professor ———

Associate Professor SVENN ORVIG

Other staff appointments to be announced.

The Department of Meteorology is newly established. It will assume control of the curricula for the M.Sc. and Ph.D. degrees in meteorology, previously administered through the physics and geography departments. In due course the department will establish a full curriculum in meteorology. In the 1959-60 session, however, students will be admitted under the existing regulations for the M.Sc. and Ph.D. degrees, as set out below.

MASTER OF SCIENCE

Students who have adequate training in Mathematics and Physics, and who have access to facilities for research in Meteorology, may be accepted as candidates for the Master of Science degree in that subject.

DOCTOR OF PHILOSOPHY

Students who possess adequate qualifications in meteorology may register for the Ph.D. in that subject. The ordinary requirements of the Ph.D. concerning thesis and preliminary examinations will apply.

GRADUATE COURSE

In 1959-60 the department will give one graduate course (formerly Geography 64).

61. DYNAMIC CLIMATOLOGY WITH SPECIAL REFERENCE TO THE POLAR CLIMATES
Dynamic climatology as the empirical study of the general atmospheric circulation. Regional circulation over polar regions. Techniques of analysis. *The Staff*

DEPARTMENT OF MINING ENGINEERING

Professor R. G. K. MORRISON, *Chairman*
Associate Professor J. S. GODARD
Assistant Professor TALAT SALMAN

Library and laboratory facilities are available for postgraduate studies and research.

The requirements for the M.Eng. degree in Mining Engineering include lecture courses, research work and thesis.

Students whose qualifications are considered to be below the B.Eng. standard will be required to pass courses covering the deficiency during a qualifying year before being registered as degree candidates.

The thesis must be submitted on a suitable subject, normally under one of the following broad headings: (1) Mineral dressing; (2) Mining methods; (3) Rock pressure problems in mines; (4) Mechanization of mines; (5) Mine or mineral economics; (6) Industrial relations and management.

For the M.Eng. degree a minimum of three full courses is normally required in addition to the thesis and considerable latitude is permitted in their selection. The following are optional courses and other graduate and undergraduate courses in different departments of the University may be required or optional depending on the subject selected for a thesis.

784. MINE FINANCE AND COST CONTROL. A course given to fourth year Mining Engineering students, but available to postgraduates who have not taken it. Refer to the Announcement of the Faculty of Engineering.
2 lectures per week, second term. *Mr. R. S. Boire*

G700. ORGANIZATION AND MANAGEMENT OF MINES. A reading and discussion course.

2 hours per week. *Professor Morrison*

G701. MINE VENTILATION. A course of study and investigation conducted with the co-operation of the Department of Mechanical Engineering. Concerns the supply and flow of fresh air to mines, dust suppression, and the thermodynamics of deep-level ventilation.

2 hours per week, session.

Department of Mechanical Engineering and Professor Morrison

G702. COLLECTIVE BARGAINING SEMINAR. Refer to the Announcement of the Faculty of Arts and Science (Economics 442).

3 hours per week, session. *Professor H. D. Woods*

G703. MINERAL DRESSING. An advanced course covering—Amalgamation, Cyanidation, Gravity Concentration, Flotation, Roasting, and Leaching.

1 lecture and 6 hours laboratory per week, session. *Professor Godard*

G704. MINERAL DRESSING. An advanced course covering the application of mechanics to gravity concentration, of physical chemistry to flotation, of colloid chemistry to flotation and thickening and of elasticity and plasticity to comminution.

2 hours per week, session. *Professor Salman*

G705. ROCK MECHANICS AND MINE DESIGN. A study of the effect of rock properties and earth stresses on the layout of mines.

2 hours per week, session. *Professor Morrison*

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Chairman WILDER PENFIELD

Professors WILLIAM CONE
FRANCIS MCNAUGHTON
THEODORE RASMUSSEN

Professor of Experimental Neurology HERBERT JASPER
(In charge of Graduate Studies)

Associate Professors K. A. C. ELLIOTT
DONALD MCRAE

Assistant Professors J. B. R. COSGROVE
ARTHUR ELVIDGE
PIERRE GLOOR
PRESTON ROBB

Candidates for graduate degrees must first meet the general qualifications and requirements for admission to the Graduate School (for M.Sc. see page 2622, for Ph.D. see page 2627). Before registration each candidate must have a thesis plan accepted by the director of his research and by the professor in charge of graduate studies. Qualification for and permission to enter courses must be approved by (1) director of candidate's research, (2) course supervisor, and (3) professor in charge of graduate studies. In some cases a qualifying year will be required before admission as a candidate for a degree. Candidates for the Master's degree are required to pass satisfactory examinations in at least two out of four of the credit courses listed below, i.e., courses A, B, E, F, and G-1. Candidates for a Ph.D. degree are expected to pass all of these credit courses. Under exceptional circumstances, other courses or qualifications may be substituted for credit at the discretion of the professor in charge of graduate studies. Attendance of at least one year at courses C, D, F-2, F-4, and G-2 is expected of candidates for the Ph.D. Attendance at two at least of these four courses is expected of candidates for the M.Sc.

Others may attend any or all courses, at the discretion of the supervisors, without registration in the Graduate School. Registration is obligatory if graduate credit is to be given.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

A. NEUROANATOMY.

1. Participation as demonstrators in course Med. 2A "Anatomy and Physiology of the Central Nervous System"—September to the end of November.
2. Graduate seminar in coordination with course B—"Seminar in Neurophysiology"—Mondays 4:30 to 6:00 p.m.
3. Preparation of a term paper on a neuroanatomical subject as arranged.
4. Advanced neuroanatomy for a selected group.

Professor McNaughton and Staff

B. NEUROPHYSIOLOGY.

1. Students are required to attend and pass a term examination in course Med. 2A "Anatomy and Physiology of the Central Nervous System"—September to end of November.
2. Weekly graduate seminars and demonstrations in neurophysiology and neurochemistry, coordinated with course A-2 and course E—December through May. Mondays 4:30 to 6:00 p.m.
3. Under exceptional circumstances, a paper on a neurophysiological subject may be written with special arrangements as a substitute for B-1.

Professors Jasper, Elliott and Gloor

C. COLLOQUIUM IN CLINICAL NEUROLOGY

1 hour weekly, clinics and lectures, Wednesdays, 5 p.m. M.N.I. (9 months).

Staff and Visiting Lecturers

D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: CLINICAL, ELECTROENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE

M.N.I. 1½ hours weekly (9 months)

Professors Penfield, Rasmussen, Jasper, McNaughton and McRae

E. OUTLINE OF NEUROCHEMISTRY

Instruction in neurochemistry in addition to that provided in Course B-2 may be obtained by special arrangement. *Professor Elliott*

F. NEUROPATHOLOGY

1. Six months laboratory work in surgical neuropathology.
2. Conference in neurosurgical pathology, Friday 5-6 p.m.

Professor Cone

3. Six months laboratory work in neuropathology.
4. Conference in neurological pathology, alternate Thursdays 4:30 to 6:00 p.m. *Professor Mathieson*
5. Introduction to Histopathology of the Nervous System. A short basic course for a limited number. By special arrangement with Professor Mathieson.

For graduate credit, courses Nos. 2 and 4 are required and either No. 1 or No. 3 as arranged with the staff. Under special circumstances, written and/or oral examinations may be substituted for No. 1 or No. 2 of the above courses for students who have taken course 5.

G. NEUROLOGICAL RADIOLOGY

1. Lecture demonstrations (3 months beginning in September), Mondays 4:30 to 6:00 p.m.
2. Colloquium, 1 hour weekly (9 months), Mondays 9:00 a.m.

Professor McRae

DEPARTMENT OF NUTRITION

(Macdonald College)

Professor	E. W. CRAMPTON, *Chairman*
Associate Professor	L. E. LLOYD
Assistant Professor	FLORENCE A. FARMER
Lecturer	E. DONEFER

Adequate laboratory and library facilities are available for research in a number of branches of Applied Nutrition. The particular research problem which may be undertaken will depend in part on whether the candidate holds a B.Sc., B.Sc.(Agr.), or B.Sc.(H.Ec.) degree. Ordinarily graduates in Agriculture associate themselves with problems related to the nutrition of farm animals, while graduates in Household Science usually undertake projects applicable to human nutrition.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

A. EXPERIMENTAL TECHNIQUE. Design and conduct of nutritional studies involving experimental animals or subjects; statistical analysis and the interpretation of data from such studies; preparation of technical reports of nutrition research. This course includes lectures on specific topics and the actual conduct and interpretation of one or more research projects, one of which will form the basis of the thesis presented toward the degree sought.

In addition to completion of course A above and the submission of an acceptable thesis, candidates for the Master of Science degree in Nutrition must register for and complete Biochemistry 45, Department of Biochemistry, in Montreal. Students must also attend and participate in Department seminars.

Home Economics graduates may, by special arrangement, also elect advanced work in the School of Household Science.

In individual cases, cognate courses may be added to the above requirements on the advice of the director of research.

DEPARTMENT OF PARASITOLOGY

(Macdonald College)

Professor and Director	T. W. M. CAMERON
Associate Professors	D. FAIRBAIRN
	M. LAIRD
Assistant Professors	R. P. HARPUR
	G. A. SCHAD
	C. E. TANNER
Research Associates	G. LUBINSKY
	E. MEEROVITCH
	G. A. WEBSTER

Candidates for both the M.Sc. and Ph.D. are required to possess the equivalent of an honours degree in biological science or a degree in veterinary or human medicine. Their curricula should have included

general invertebrate Zoology (including Entomology), Organic Chemistry, and Biochemistry; elementary Physiology is also desirable.

Adequate laboratory and library facilities are available at the Institute of Parasitology for the courses listed below and for research.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

Courses A, B, and C are required for this degree in addition to a thesis, the subject to be selected by the candidate with the approval of the Department.

A, B, and C comprise the main courses, but further courses may be chosen, depending on the research problem selected and the candidate's previous training.

COURSES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates must possess the equivalent of the M.Sc. (Parasitology), McGill. Candidates may (with the approval of the Department) study cognate subjects (such as Nutrition, Biochemistry, Medical Entomology, etc.). Such course work must be completed before the commencement of the final year of study.

A. A SYSTEMATIC STUDY OF THE ANIMAL PARASITES OF MAN, DOMESTIC, AND ECONOMIC ANIMALS

5 hours. *Professors Cameron and Laird*

B. PRACTICAL PARASITOLOGY

12 hours. *Professor Cameron and Staff*

C. FIELD WORK AND SEMINARS. Parasitological surveys. Collections in the field. Methods of control. *Staff*

DEPARTMENT OF PATHOLOGY

Professor G. C. McMILLAN, *Chairman*

Associate Professors J. E. PRITCHARD
A. C. RITCHIE
F. W. WIGLESWORTH

Assistant Professor W. H. MATHEWS

The Department offers adequate laboratory and library facilities in the Pathological Institute for morphological or experimental research and for the courses listed below leading to the degrees of Master of Science and Doctor of Philosophy in Pathology.

QUALIFICATION FOR ADMISSION

Candidates for graduate degrees in Pathology must hold the degree of Doctor of Medicine or its equivalent and must have attained high standing in the courses leading to this degree, especially in the preclinical scientific subjects.

Candidates whose previous graduate training in Pathology is judged to be inadequate, will be required to spend a qualifying year of work in the Department before proceeding to a graduate degree.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

A. RECENT ADVANCES IN PATHOLOGY

Lectures on selected subjects in Pathology.

Professor McMillan and Staff

B. COLLOQUIUM. Demonstration and discussion of current surgical and autopsy material from the routine pathological services of the Pathological Institute.

2 hours throughout the session. *Professor McMillan and Staff*

C. CONFERENCES. Conferences will be held at regular intervals with graduate students for the purpose of guiding their reading and investigative work and for the discussion of special problems arising from their research.

D. COGNATE SUBJECTS. Each student will be required to take certain courses in cognate subjects, the selection of which will depend upon the student's previous training and on the character of the research problem to be undertaken.

Any candidate for a graduate degree may be required to attend the undergraduate course in General Pathology and pass a comprehensive examination in this subject.

A candidate for the degree of Master of Science must take courses A, B, and C, and at least one cognate course. The remainder of his time is to be devoted to morphological or experimental research. The quality of the student's investigative work as embodied in his thesis will be the main consideration in recommending him for this degree.

For the degree of Doctor of Philosophy the candidate must take courses A, B, and C, throughout each year of study in addition to his research. Any cognate subjects required must be completed before the end of the second year.

The quality of the research work as embodied in the Ph.D. thesis will be the main consideration in the award of this degree.

DEPARTMENT OF PHARMACOLOGY

Professor	K. I. MELVILLE, *Chairman*
Associate Professor	D. R. WOOD
Assistant Professor	B. G. BENFEY

Adequate laboratory facilities are available for the courses listed below and for research.

QUALIFICATIONS FOR ADMISSION

Candidates for higher degrees in Pharmacology must hold an M.D. or B.Sc. degree, and must have attained a high standing in the courses in Pharmacology 1A and 1B, as given to medical students at McGill (or equivalent courses elsewhere). Candidates with a B.Sc. degree and with suitable preparation in Biochemistry and Physiology, are admitted to these undergraduate medical courses, during their qualifying year. See the Announcement of the Faculty of Medicine.

On application to the Chairman of the Department, a limited number of undergraduates pursuing the Honours B.Sc. curriculum in Biochemistry or Physiology, or with otherwise suitable preparation, may be admitted to these prerequisite courses in their Fourth year.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

2A. ADVANCED PHARMACOLOGY

1 lecture per week. This course deals with biological assays, actions of drugs on cellular mechanisms and relationships between chemical structure and pharmacological action. *Professor Melville and Staff*

2B. ADVANCED LABORATORY TECHNIQUES IN PHARMACOLOGY

Laboratory exercises and demonstrations, correlated with 2A.
Professor Melville and Staff

COURSES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

3A. RECENT ADVANCES IN PHARMACOLOGY

1 hour weekly. Lectures on selected topics. *Professor Melville and Staff*

3B. SEMINAR

1 hour during the session, correlated with 3A, and dealing with problems related to the research interests of the graduate students and staff.

For each of the higher degrees, candidates may also be required to take courses in cognate subjects, as necessary.

The main interests of the Department at present concern various problems of cardiovascular and gastrointestinal pharmacology and the actions of drugs affecting the autonomic nervous system.

DEPARTMENT OF PHILOSOPHY

Professors T. G. Henderson, *Chairman*
R. Klibansky
J. W. Miller

Associate Professor Cecil Currie

Assistant Professor Alastair McKinnon

Lecturers A. Gombay
R. S. McCall
J. D. Ross

COURSES FOR THE DEGREE OF MASTER OF ARTS

*340. SEMINAR IN PHILOSOPHY. 2 hours.
The Philosophy of History. *Professor Currie*

*400. MORAL AND POLITICAL PHILOSOPHY. 2 hours.
First term: Advanced Ethics. *Professor Miller*
Second term: Philosophy of Politics. *Professor Klibansky*

*410. PROBLEMS OF LOGIC AND METAPHYSICS. 2 hours.
First term: Logic, Epistemology and Metaphysics. *Professor Klibansky*
Second term: The Metaphysics of Whitehead. *Professor Henderson*

*420. THE PHILOSOPHY OF KANT
2 hours. *Professor Currie*

*440. SEMINAR IN PHILOSOPHY. 2 hours.
1959-1960. Issues in Contemporary Philosophy.
Reading: *to be announced*. *The Staff*

Seminar courses will be offered in the special fields in which candidates are studying for their degrees.

Before entering upon his course of graduate studies, the student must have devoted two full years to Philosophy, and his competence in the subject should embrace the following:

(1) A general knowledge of the history of Greek philosophy and of modern philosophy.

(2) A systematic knowledge of the main philosophical disciplines: logic, ethics, epistemology, and metaphysics.

(3) A special knowledge of at least three of the great European thinkers.

Applicants for graduate study may be required to submit to an examination in order to determine their competence as above defined.

In special cases students may take relevant courses offered by the Institute of Islamic Studies.

*May also be taken by honours undergraduates.

DEPARTMENT OF PHYSICS

Professors	G. A. Woonton, *Chairman*
	J. S. Foster
	J. S. Marshall
	E. R. Pounder
Associate Professors	R. E. Bell
	K. L. S. Gunn
	W. F. Hitschfeld
	W. M. Martin
	Anna I. McPherson
	F. R. Terroux
Assistant Professors	C. R. Crowell
	J. F. Mathison
	E. J. Stansbury
Lecturers	M. L. De Angelis
	M. P. Langleben
	G. V. Marr
	W. M. Telford
Research Associate	A. L. Thompson

Adequate laboratory and library facilities are available for the courses listed below and for research in any of the main branches of physics. Equipment for investigations in nuclear physics, electron physics, meteorological physics, ice physics, electromagnetic radiation, electrical measurements, spectroscopy, heat, and geophysics have been specially developed. An electron microscope and X-Ray Diffraction apparatus are available for collaboration in regard to problems in Chemistry and Biology. A well-equipped Radiation Laboratory for nuclear physics provides space for staff and over twenty graduate students. The hundred Mev McGill Synchro-cyclotron is housed in this laboratory. The Eaton Electronics Laboratory provides facilities for research and graduate training in the various branches of electron physics and in it there is also accommodation for over twenty graduate students, in addition to staff. The Macdonald Physics Laboratory continues to provide facilities and space for research by staff and by another group of from ten to fifteen graduate students. Upon request, the Secretary of the Department will provide prospective graduate students with a pamphlet on the Physics Department.

With the approval of the Chairman of this Department, qualified graduate students in physics may apply to take some of their required courses, and to undertake research, at Macdonald College, the remainder of their courses being taken at McGill University in Montreal. For the Ph.D. in Meteorology, see under the Department of Geography.

COURSES AVAILABLE WHEN PHYSICS IS CHOSEN AS A COGNATE SUBJECT

Courses 33, 34, 36, 41, 42, 43, 44b, 48 are undergraduate honours courses prerequisite to graduate work in Physics; but they are open to graduate students (1) choosing Physics as a cognate subject, or (2) completing their entrance qualifications for graduate work in Physics.

33. ELECTRONIC CIRCUITS AND INSTRUMENTS (Half course). Theory and application of electronic devices with emphasis on the instruments used in scientific research.

1 hour; laboratory (33L), 2 hours. *Professor Crowell*

Reference books: Terman, Electronic and Radio Engineering, 4th Ed. (McGraw-Hill); Cruft Laboratory Staff, Electronic Circuits and Tubes (McGraw-Hill); Valley and Wallman, Vacuum Tube Amplifiers (McGraw-Hill); Chance et al., Waveforms (McGraw-Hill).

34. HEAT AND THERMODYNAMICS. Thermodynamic systems and variables. The zeroth, first and second laws. The thermodynamics of: heat engines; two-phase systems, including a statement of the third law; thermoelectricity; Joule-Thomson effect; thermionic emission; thermal radiation. Kinetic theory of gases, introduction to statistical mechanics.

2 hours per week. *Professor Hitschfeld*

Text: Sears, Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics (Addison-Wesley).

References: Zemansky, Heat and Thermodynamics (McGraw-Hill); Hoare, Textbook of Thermodynamics (Longmans Green); Sir James Jeans, Kinetic Theory of Gases (Cambridge University Press), Worthing and Halliday, Heat (Wiley).

36. ADVANCED LIGHT. The essentials of geometrical and physical optics with advanced laboratory work. Electromagnetic theory, interference, diffraction, polarization, simple spectrum analysis, determination of fine structure of spectral lines, Zeeman effect, theory and use of optical apparatus (e.g., glass and quartz spectrographs, Lummer plates, interferometers, and polarimeters).

First term: 2 hours; Second term: 1 hour; Laboratory (36L): 3 hours (session). *Professor McPherson*

Reference books: Morgan, Introduction to Geometrical and Physical Optics (McGraw-Hill); Robertson, Physical Optics (Van Nostrand); Wood, Physical Optics (Macmillan); Jenkins and White, Fundamentals of Optics, (McGraw-Hill); Hardy and Perrin, The Principles of Optics (McGraw-Hill).

41. MATHEMATICAL PHYSICS. Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat conduction and diffusion. Introduction to statistical mechanics and wave mechanics.

3 hours. *Professor R. T. Sharp*

Reference books: Margenau and Murphy, The Mathematics of Physics and Chemistry (McGraw-Hill); Coulson, Waves (Oliver and Boyd); Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand); Menzel, Mathematical Physics (Prentice-Hall); Joos, Theoretical Physics (Blackie); Sommerfeld, Partial Differential Equations (Academic Press); Born, Atomic Physics (Blackie).

42. ELECTROMAGNETIC THEORY (Half course). Field theory; electrostatics; Laplace's equation; dielectrics; magnetic fields of currents; magnetic materials; electromagnetic induction and Maxwell's equations; electromagnetic waves and energy flow; scalar and vector potentials. Application of these fundamental ideas is made to some of the following topics: skin effect; propagation of waves in conducting media; propagation of guided waves; the electromagnetic foundation of the optical laws of reflection and refraction; diffraction; radiation from antennae.

First term: 2 hours; second term: 1 hour. *Professor Stansbury*

Textbook: Slater and Frank, Electromagnetism (McGraw-Hill).

Reference book: Ramo and Whinnery, Fields and Waves in Modern Radio (Wiley).

43. ATOMIC PHYSICS. Atoms, molecules and quanta; optical spectroscopy and classification of spectral lines; thermal radiation and the origin of the quantum theory; the nuclear atom and the Bohr theory of the hydrogen spectrum; Bohr-Sommerfeld quantization; further details of atomic spectra, the vector model, Zeeman effect; the periodic table; X-rays. The advent of quantum mechanics, the uncertainty principle, the exclusion principle; the Schroedinger equation and some applications. Molecular spectra; microwave spectroscopy. Some current topics in atomic physics.

2 hours. *Professors Martin and Mathison*

3 hours laboratory (43L) per week. *Dr. Telford*

NOTE: *The first half of this course, 43a, may be taken as a half course.*

Reference books: Peaslee, Elements of Atomic Physics (Prentice-Hall); Richtmeyer and Kennard, Introduction to Modern Physics (McGraw-Hill); Sawyer, Experimental Spectroscopy (Prentice-Hall); Herzberg, Atomic Spectra and Atomic Structure (Dover); Slater, Modern Physics (McGraw-Hill).

44b. RADIOACTIVITY (Half course). The phenomena of radioactive disintegration and the laws of transformations of successive products. The nature and properties of the radiations; methods of detection and of measurement. Mechanisms of absorption and scattering. Neutrons, positrons and the constitution of nuclei. Methods of producing artificial disintegrations and their products. Introduction to nuclear physics.

Second term: 2 hours. Laboratory, second term, 3 hours (held with 43L). *Professor Terroux*

Reference books: Rutherford, Chadwick, and Ellis, Radiations from Radioactive Substances (C.U.P.); Hevesy and Paneth, A Manual of Radioactivity (C.U.P.); Lapp and Andrews, Nuclear Radiation Physics (Prentice-Hall); Cork, Radioactivity and Nuclear Physics (Van Nostrand); Semat, Introduction to Atomic and Nuclear Physics (Rinehart); Kaplan, Nuclear Physics (Addison-Wesley).

47a. APPLIED GEOPHYSICS (Half course). An introduction to geophysical methods of prospecting and of investigating subsurface structure. The theories, the uses, and the limitations of various magnetic, electrical, gravitational, and seismic methods are explained and compared. The practical operation of the instruments is reviewed, and actual field results are obtained and analysed. When possible, students will be given some practical experience in the field. Laboratory facilities are available.

First term: 2 hours. *Dr. Telford*

Texts: Eve and Keys, Applied Geophysics, 4th ed. (Cambridge Univ. Press); Dobrin, Introduction to Geophysical Prospecting (McGraw-Hill).

Reference books: Heiland, Geophysical Exploration (Prentice-Hall); Jakosky, Exploration Geophysics (Trija Publishing Co.).

48. ELECTRICAL MEASUREMENTS. D-C. instruments and measurements, complete galvanometer theory, instrument calibration; A-C. circuit theory, operational methods, applications; measurements at power, audio, and radio frequencies; measurements with Lecher wires; construction and testing of simple electrical devices; absolute measurements.

First term: 1 hour. Second term: 2 hours. Laboratory: 3 hours (session). *Prof. Woonton, Mr. DeAngelis and Dr. Marr*

Texts: Stout, Basic Electrical Measurements (Prentice-Hall); Harris, Electrical Measurements (Wiley).

Reference Books: Law, Electrical Measurements (McGraw-Hill); Hague, Alternating Current Bridge Methods (Pitman, London); Harnwell, Principles of Electricity and Electromagnetism (McGraw-Hill); Campbell and Childs, The Measurement of Inductance, Capacitance, and Frequency (Macmillan).

COURSES FOR STUDENTS PROCEEDING TO THE DEGREES OF M.A., M.Sc., OR Ph.D. IN PHYSICS

52. CLOUD PHYSICS. The development and precipitation of clouds; their study by radar and radio.

1 hour. *Professor Marshall*

General References: Mason, Cloud Physics (Oxford U.P.); Marshall, Hitschfeld and Gunn, contribution in Advances in Geophysics, vol. II (Academic Press).

62. QUANTUM MECHANICS (Mathematics 662). Introduction to the ideas and methods of quantum theory, with illustrations from the simpler applications in atomic and nuclear physics.

2 hours *Professor Pounder*

Note: Students proceeding to a higher degree in Mathematics are given an additional hour per week. This may be attended by any student taking the course.

Textbooks: Schiff, Introductory Quantum Mechanics (McGraw-Hill); Bohm, Quantum Theory (Prentice-Hall).

63. ADVANCED ELECTRICITY AND MAGNETISM. Advanced theory and problems concerning: Electrostatics—images, transformations, coefficients, properties of dielectrics. Current electricity—conduction in infinite solids, circuit theory, loci, non-linear elements, transients, applications of Heaviside's operational methods, Laplace transforms, determinants and matrices; power machinery and transformers. Electronic devices and circuits. Conduction in gases, associated devices and circuits. Magnetic effects and circuits. Elementary electromechanics; servomechanism fundamentals.

2 hours.

64. THERMODYNAMICS. Starting from a review of the foundations of thermodynamics according to Carathéodory, the relation of thermodynamics to statistical mechanics is developed. Thermostatistics is then applied to problems in information theory, and to provide an introduction to the quantum theory. Thermodynamics of irreversible processes. Radiation: theory and applications in the atmosphere.

First term: 2 hours. *Professor Hitschfeld*

General references: Chandrasekhar, Stellar Structure (Chicago U.P.); Hercus, Thermodynamics and Statistical Mechanics (Melbourne U.P.); Landé, Foundations of Quantum Theory (Yale U.P.); Bergmann, Heat and Quanta (Prentice-Hall); De Groot, Thermodynamics of Irreversible Processes (Interscience Publishers, New York); Johnson, Physical Meteorology (Technology Press); papers by Brillouin.

65. STATISTICAL MECHANICS AND KINETIC THEORY OF MATTER (Mathematics 665). A course in classical and quantum statistical mechanics with selected applications; statistical theories of the gaseous, liquid, and solid states.

Reference books: Mayer and Mayer, Statistical Mechanics (Wiley); Lindsay, Physical Statistics (Wiley); Fowler, Statistical Mechanics (C.U.P.); Schrödinger, Statistical Thermodynamics (C.U.P.); Rice, Statistical Mechanics (Constable, London); Kennard, Kinetic Theory of Gases (McGraw-Hill); Loeb, Kinetic Theory of Gases (McGraw-Hill).

2 hours. *Professor R. T. Sharp*

Note: Course 65 will be given in alternate sessions, 1959-60, etc.

66. PHYSICAL ELECTRONICS. In this course are discussed a group of topics related to current researches in physical electronics: Selected topics in Electrostatics, Magnetostatics, Electromagnetism; the theory of Dielectrics; the nature of Magnetism; Nuclear Magnetic Resonance; Paramagnetic Resonance; Conduction in Solids and in Semiconductors; Thermionic emission, Photo-electric emission.

2 hours. *Professor Woonton*

Reference Books: Stratton, Electromagnetic Theory (McGraw Hill); Bleaney and Bleaney, Electricity and Magnetism (Oxford University Press); Slater, Quantum Theory of Matter (McGraw-Hill); Slater, Chemical Physics (McGraw-Hill); Andrews, Nuclear Magnetic Resonance (Cambridge University Press); Gordy, Smith and Tarambulo, Microwave Spectroscopy (John Wiley); Shockley, Holes and Electrons in Semi-Conductors (Van Nostrand); Brillouin, Wave Propagation in Periodic Structures (Dover Publications); Wilson, Theory of Metals —2nd Edition (Cambridge University Press).

67. SEMINAR, NUCLEAR PHYSICS. Experimental nuclear physics from advanced undergraduate level to selected topics in current research.

2 hours. *Prof. Martin*

68. SEMINAR, GENERAL PHYSICS. This seminar, in which students are required to take an active part, will cover the range of topics in which those in attendance may be specializing.

2 hours.

69. SEMINAR, PHYSICAL ELECTRONICS. Experimental physical electronics from advanced undergraduate level to selected topics in current research.

2 hours. *Professors Woonton and Farnell and Dr. Marr*

71. ADVANCED GEOPHYSICS (APPLIED). Selected topics as enumerated in prerequisite course 47a (Arts and Science Announcement) are given more advanced mathematical and physical treatment. Supplementary theory, problems and analysis of field results are added. A laboratory is run concurrently whereby the various methods are demonstrated qualitatively and quantitatively. Facilities are available for some research work in Geophysical problems. Arrangements for practical experience in the field will be made where possible.

2 hours. *Dr. Telford*

Textbooks: Eve and Keys, Applied Geophysics (C.U.P.); Dobrin, Milton B., Introduction to Geophysical Prospecting (McGraw-Hill 1952); Jakosky, J. J., Exploration Geophysics (Trija Publishing Co. 1950); Heiland, Geographical Exploration (Prentice-Hall).

Note: This course is designed primarily for candidates for the degree in Mineral Exploration as described on page 2697.

75A, 75B, 75C. These are the reference numbers for the first three *Preliminary Ph.D. Examinations*, namely the *General Paper* (75A), the *Problem Paper* (75B), and the *Preliminary Oral* (75C).

76. Reference number of the *Special Paper* of the Preliminary Examinations. This paper covers the specific fields of Physics bearing on the research of the candidate.

81, 82, 83. RESEARCH. These are the reference numbers for registration of research requirements for M.Sc. and Ph.D. students. The respective numbers refer to the research work conducted in the minimum three years of progress towards the Ph.D. degree, as noted below.

A suitable selection of the above courses may be made by qualified students when Physics is taken as a partial or a cognate subject.

Requirements for Master's Degree and First Year Ph.D.. (a) Research 81, and M.Sc. thesis thereon. (b) Physics 62; (c) Two other courses to be chosen with the approval of the Supervisor of the student's research and the Chairman of the Department.

Second Year Ph.D.: (a) Research 82. (b) Preliminary Examinations in December. (c) Seminar 67, 68, or 69. One additional course in Physics, Mathematics, or cognate subject may be permitted, or required, with the approval of the Supervisor of the student's research, and of the Chairman.

Third Year Ph.D.: Completion of research 83, and Ph.D. thesis thereon. Final Oral. One course, examination optional, is also required.

For Ph.D. language requirements see page 2629.

Attendance at the Physical Society, seminars, and other scientific meetings, and the presentation of papers, form an important element in the training of graduate students.

DEPARTMENT OF PHYSICS

(Macdonald College)

Professor — WILLIAM ROWLES, *Chairman*

Assistant Professor — B. P. WARKENTIN

The course below may form part of the required courses for graduate students in Physics (see page 2735), or may be taken by students in other departments as a cognate subject.

COURSE AVAILABLE TO GRADUATE STUDENTS

A. ADVANCED BIOPHYSICS — *Professor Rowles*

2 hours, second term.
(*Given in 1959-60.*)

DEPARTMENT OF PHYSIOLOGY

Professors — F. C. MACINTOSH, *Chairman*; A. S. V. BURGEN; B. DELISLE BURNS

Associate Professor — H. GARCIA-AROCHA

Assistant Professors — SIMON DWORKIN; BERNICE GRAFTSTEIN; PAUL SEKELJ; KATHLEEN G. TERROUX

Lecturers — J. Q. BLISS; CARL PINSKY; E. J. REININGER; O. M. SOLANDT

Sessional Lecturer — HYMAN WEINER

Candidates who as undergraduates have satisfactorily completed the Honours Course in Physiology or in Physics and Physiology may present themselves for examination for the M.Sc. degree at the end of one year's graduate work in the Department. Others will uaually have to spend a longer time in preparation, or take a qualifying year. Candidates for

the Ph.D. degree must pass a general examination in Physiology, but will be judged principally by the ability they display in research. Candidates for either degree are expected to attend the graduate courses listed below, and may be required also to pass certain advanced undergraduate courses in Physiology or related subjects.

The main research interests of the Department are at present the chemical and electrical behaviour of the nervous system and of secretory tissues, the release of physiologically active substances from tissues, the physiology of serous cavities and the development of physical apparatus for medical and physiological research.

ADVANCED UNDERGRADUATE COURSES

41. ADVANCED GENERAL PHYSIOLOGY

3 hours lecture and 8 hours laboratory. (First term)

42. ADVANCED MAMMALIAN PHYSIOLOGY

3 hours lecture and 8 hours laboratory. (Second term)

43. PHYSIOLOGICAL INSTRUMENTATION

2 hours lecture and 3 hours laboratory.

44. SELECTED TOPICS IN PHYSIOLOGY

2 hours lecture, and experimental project.

GRADUATE COURSE

61. LECTURES ON SELECTED ADVANCED TOPICS. The subject matter varies from year to year.

1 hour.

DEPARTMENT OF PLANT PATHOLOGY

(Macdonald College)

Professors D. K. McE. KEVAN, *Chairman*
J. G. COULSON (*Post-retirement*)

Assistant Professors E. O. CALLEN
R. H. ESTEY
R. L. PELLETIER

A liberal interpretation is put on the term Plant Pathology. Adequate laboratory, greenhouse and library facilities are available for the courses listed below and for research. Students are recommended and may be required to take courses offered by the Department of Botany either as

part of their major work or as cognate subjects. The Department of Plant Pathology is closely integrated with the Department of Entomology and advantage may be taken of this fact. Candidates for admission are advised that a general knowledge of the fundamental practices in agronomy and horticulture are desirable and may be prerequisite.

The courses consist of informal lectures, directed reading, laboratory work, special assignments, colloquia and discussions. Field work where appropriate or practicable may also be required. Formal lectures may be given from time to time and excursions arranged to places of interest. All members of the graduate school, while resident at Macdonald College, are expected to take an active part in all departmental seminars and themselves to address at least one seminar meeting during the session.

COURSES FOR HIGHER DEGREES

61. HISTORY OF PLANT PATHOLOGY
Half course, first or second term. *Professor Estey*

62. ADVANCED MYCOLOGY
Full course. *Professor Estey*

63. ADVANCED PLANT PATHOLOGY
Full course. *Professors Coulson and Pelletier*

64. PRINCIPLES OF PLANT PATHOLOGY
Full course. *Professors Coulson and Pelletier*

66. SEMINAR
One meeting weekly. *Staff*

BOTANY 61. ADVANCED PLANT PHYSIOLOGY
Full course. *Botany Department*

BOTANY 63. PLANT ECOLOGY
Full course. *Botany Department*

68. NEMATOLOGY
At present given only by special arrangement.
Full or half course. *Professors Estey and Kevan*

69. TAXONOMY AND ECOLOGY OF ECONOMIC PLANTS
In addition to a general study of economically significant plants and taxonomic theory, this course involves the student in a special investigation of a selected group.
Full course (*not given 1959-60*). *Professor Callen*

M.Sc. REQUIREMENTS

Candidates for admission must have had (1) satisfactory previous training in mathematics, physics, chemistry and biology; and (2) have obtained at least second class standing in the undergraduate courses in Plant Pathology given at Macdonald College, or their equivalent. For students who satisfy these conditions the minimum period of study is one year, for others two years, one of which may be a qualifying year in which advanced undergraduate courses are usually taken.

In addition to presenting a thesis the student shall take such courses and write such examinations as are deemed necessary by the chairman of the department in consultation with the director of the candidate's research. Normally this amounts to a minimum of two full courses (or their equivalent) in addition to Plant Pathology 61 and the Seminar. For the latter a mark is required in the first year (or in the case of qualifying students in each of the first two years).

The candidate will normally be expected to spend at least one summer season in full-time research at Macdonald College, or, under suitable direction, at some other approved institution.

Ph.D. REQUIREMENTS

Students who have obtained a high standing in the M.Sc. courses in Plant Pathology at McGill University or the equivalent (including M.Sc. in Botany, with a sound background in plant pathology), may proceed to the Ph.D. degree in two additional years. Qualified students holding a B.Sc. degree of high standing may register directly for the Ph.D. with the consent of the chairman of the department, but before being allowed to enter the second year, such students must pass an examination to determine their fitness to proceed.

In addition to presenting a thesis the candidate may be required to take such courses and pass such examinations as are decided upon in consultation with the chairman of the department and the director of his research. Normally no course work (other than Seminar) will be required during the final year and not usually more than two full courses (or their equivalent) during the preceding year for candidates already possessing an M.Sc. of McGill University or its equivalent. Candidates are required to take either Botany 61 or 63 (or their equivalent), if neither has been taken previously, but may also be advised to attend courses bearing on their research work at any time during their period of resident study.

Participation in seminars will be taken into consideration in the final assessment of the candidate, but formal marks will not be given.

The Preliminary Examination is normally conducted jointly with the Department of Botany.

Ph.D. candidates may be permitted to spend one of their three years of full-time graduate study at an approved university or research institution other than McGill University. The candidate may be required to spend the equivalent of two summer seasons in full-time research at Macdonald College or, under suitable direction, at some other approved institution.

Candidates for M.Sc. or Ph.D. degrees should indicate their fields of special interest before making formal application for admission. Facilities are available for research in most branches of plant pathology and related fields, but candidates with special problems should consult the chairman of the department in advance.

DEPARTMENT OF POULTRY HUSBANDRY

(Macdonald College)

Associate Professor NIKOLAI NIKOLAICZUK

Specialization in poultry husbandry in undergraduate training is preferred. Other candidates should have a background in biological chemistry or genetics where specialization is desired in poultry nutrition or poultry genetics respectively.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

A. ADVANCED POULTRY NUTRITION

Candidates for the M.Sc. in Poultry Husbandry (Nutrition) will take course A and at least two of the following: Agronomy 60 (Experimentation), Biochemistry 32 (McGill: Endocrinology), Biochemistry 45 (McGill: Oxidation and Metabolism).

3 hours, session.

B. ADVANCED POULTRY BREEDING

Arrangements are made to have a limited number of candidates register in the Department of Genetics for the required course work. The thesis problem can be conducted in the Department of Poultry Husbandry. The Departments are jointly responsible for such candidates.

3 hours, session.

DEPARTMENT OF PSYCHIATRY

Professors
D. Ewen Cameron, *Chairman*
A. E. Moll

Associate Professors
R. A. Cleghorn
T. E. Dancey
H. Lehmann
R. B. Malmo
W. Clifford M. Scott
Baruch Silverman
Taylor Statten
E. D. Wittkower

Assistant Professors
Saul Albert
J. Aufreiter
H. Azima
T. J. Boag
Carlo Bos
J. F. Davis
V. A. Kral
A. W. MacLeod
C. A. Roberts
M. Saffran
T. L. Sourkes

COURSES FOR THE DEGREE OF MASTER OF SCIENCE IN PSYCHIATRY

Admission is restricted to candidates who hold an M.D. with good standing from an approved institution, and have adequate postgraduate experience in clinical psychiatry.

The length of the course cannot be less than one year, which must be spent in non-clinical research, the research subject and thesis topic to be approved beforehand by the Chairman of the Department of Psychiatry and the Dean of the Faculty of Graduate Studies and Research. If more than one year is required by the candidate, the portion of time in excess of one year must be spent mainly, though not exclusively, in research.

Adequate library and laboratory facilities are available in the Department of Psychiatry (Allan Memorial Institute) for the courses listed below and for research.

A. ADVANCED PSYCHOTHERAPEUTICS
1 hour.
Professor Cameron and Staff

B. ADVANCED PSYCHODYNAMICS
1 hour.
Professor Cameron and Staff

C. COLLOQUIUM ON CLINICAL PSYCHIATRY
1 hour.

D. COGNATE SUBJECTS:
Each student will be required to take certain courses in cognate subjects, such as Psychology, Sociology, Endocrinology, and Neurology. These will be determined upon the basis of the special field of psychiatry in which the candidate's research work is being carried out.

DEPARTMENT OF PSYCHOLOGY

Professors	E. C. WEBSTER, *Chairman*
	D. O. HEBB
	G. A. FERGUSON
Associate Professors	DALBIR BINDRA
	R. B. MALMO
Assistant Professors	W. HERON
	W. E. LAMBERT
	P. M. MILNER
	M. S. RABINOVITCH
Research Associate	D. KIMURA

APPLIED PSYCHOLOGY CENTRE

Professor	E. C. WEBSTER, *Director*
Assistant Professors	VIRGINIA DOUGLAS
	E. G. POSER
Lecturer	BLOSSOM WIGDOR

Graduate work in the Department of Psychology follows two main lines: experimental-theoretical, including comparative, physiological, and social psychology, as well as statistical method, leading to M.A., M.Sc., and Ph.D. degrees; and applied psychology, chiefly in the industrial, clinical, and guidance fields, leading to M.Sc.(Appl.) and Ph.D. degrees.

No distinction in training is made between M.A. and M.Sc. degrees; which of these the candidate enrols for is determined by his Bachelor's degree (*i.e.*, B.A. is followed by M.A., B.Sc. by M.Sc.).

Admission to graduate work will depend on the estimate made by members of the department of the student's aptitude for original contributions to knowledge, or for professional contribution in the applied field. It will not depend merely on high marks made in course work, nor on the student's having taken a large number of courses in psychology.

In addition to a biologically-oriented introductory course the student should have four full courses (each the equivalent of six semester-hours), including experimental, systematic (or theoretical) psychology, and some knowledge of the historical development of modern ideas. Some knowledge of statistical method as applied to psychological problems (equivalent to an introductory course in this field) is essential.

Equally necessary are a knowledge of elementary physiology and of physics or chemistry, some comprehension of philosophical thought, and of modern developments in other social sciences. All students, no matter what kind of specialization is ultimately aimed at, are expected to have the same core of undergraduate training, equivalent to the Honours degree at McGill. The student who has not sufficient preparation, either in psychology or in the related subjects referred to above, but has shown promise of aptitude for advanced original work, can be accepted after the completion of a qualifying year.

Application should be made by April 1. Candidates must submit with their applications the results of the Miller Analogies Test. Those who are not at a centre where the Miller Analogies can be given should make arrangements for a special examination.

COURSES

52. APPRAISAL OF INTELLIGENCE
Use of Stanford-Binet and Wechsler tests primarily.
1½ hours.

55. APPRAISAL OF PERSONALITY
Review of current methods of personality assessment.
3 hours.

56. EDUCATIONAL AND VOCATIONAL GUIDANCE
3 hours.

57. ABNORMAL PSYCHOLOGY
3 hours.

58. ADVANCED EDUCATIONAL PSYCHOLOGY
3 hours.

59. ADVANCED PERSONALITY APPRAISAL
3 hours.

61. ADVANCED STATISTICS. A didactic advanced course.
3 hours.

62. PSYCHOLOGICAL THEORY. Seminar designed as an introduction to other courses listed below.
3 hours.

63. SEMINAR IN ADVANCED EXPERIMENTAL PSYCHOLOGY
2 hours.

64. SEMINAR IN COMPARATIVE AND PHYSIOLOGICAL PSYCHOLOGY
2 hours.

65. SEMINAR IN DEVELOPMENTAL PSYCHOLOGY
2 hours.

66. SEMINAR IN SOCIAL PSYCHOLOGY
3 hours.

67. SEMINAR IN INDUSTRIAL PSYCHOLOGY
3 hours.

68. THEORY AND TECHNIQUES OF PSYCHOLOGICAL MEASUREMENT
2 hours.

69. SEMINAR IN PERSONALITY
2 hours.

70. CONFERENCES ON THE THESIS. Required of all candidates for the M.A. or M.Sc. degree, with course standing to be assigned on conclusion of the comprehensive examination.

71. FACTOR ANALYSIS
2 hours.

REQUIREMENTS FOR M.A. AND M.Sc. DEGREES

Candidates must demonstrate a sound knowledge of modern theory, of its historical development, and of the logic of statistical methods as used in psychological experiment. They will be expected to have an understanding of the main lines of current work in other than their own particular field of specialization.

All candidates must take courses 61, 62, and 70, and in addition any other course specified by the Department. The primary concern of the candidate, however, is his thesis. For this the exploratory work, at least, should get under way early in the year. Following presentation of the thesis, a comprehensive written or oral examination will be held which, in conjunction with the thesis itself, will determine the candidate's final standing for the degree.

REQUIREMENTS FOR THE Ph.D DEGREE

The candidate for the Ph.D. degree must demonstrate a broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of his special field. Preliminary examinations will be held at two stages: one at the time of the Master's degree or immediately afterward, and one at the conclusion of the following year. These examinations may be written or oral, or both, at the discretion of the Department. They will cover three fields, as follows: (a) modern theoretical issues and history; (b) "experimental" (normal human adult) psychology and statistical methods; and (c) one from the following: comparative and physiological psychology; developmental psychology; social psychology; personality; advanced statistics; industrial psychology; clinical psychology.

REQUIREMENTS FOR THE M.Sc. (Appl.) DEGREE

The degree of M.Sc. (Appl.) in industrial, guidance, or clinical psychology is awarded to candidates who achieve a high standard of scholarship in psychology and who have demonstrated an aptitude for the professional application of psychological knowledge. The minimum time necessary to attain the degree is two years.

Individuals following this programme will normally spread some five or six courses over the two year period. During the summer they will work under approved supervision and, during the second year, two and a half days per week will be spent in approved interneship.

Award of the degree M.Sc. (Appl.) will be determined by the student's standing in course examinations, by his standing in a comprehensive examination or examination, and by the report of his supervisors concerning his fitness for professional work in psychology.

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Associate Professor	William A. Westley, *Chairman*
Assistant Professors	Frederick Elkin
	Jacob Fried
	Howard Roseborough
	Aileen D. Ross
	David N. Solomon
	Toshio Yatsushiro
Lecturer	Colette Carisse
Research Assistants	Rosalynd Baylin
	Nelson Graburn

The Department of Sociology and Anthropology offers work towards the M.A. degree both to the student who has taken Honours in sociology and anthropology within the university and to qualified students from other universities who have the B.A. degree.

SOCIOLOGY

The undergraduate courses prerequisite to graduate work are: Sociology 304 and 403 and Anthropology 313 and 412, plus one other course in Sociology or Anthropology. These courses are available to students who are completing the entrance requirements for graduate work. In addition, courses in the fields of Criminology, Minority Groups and the Community, The Family and Socialization, Mass Communication and Collective Behaviour, The Sociology of Work, Primitive and Non-Western Cultures, Primitive Religion, Primitive Economics, and Culture and Personality are available to graduate students by special arrangement. A student transferring to McGill would be expected to have attained the equivalent of satisfactory Honours standing (a minimum of 65% in each course) in the prerequisite courses. For further information regarding the undergraduate courses in Sociology, consult the Announcement of the Faculty of Arts and Science.

To obtain the M.A. degree the student is required to register for three graduate seminars (Sociology 610, 710, 720). However, the primary concern of the candidate is his thesis. For this, the exploratory work at least should be undertaken early in the graduate year. Following the presentation of the thesis, a comprehensive oral examination will be held which, in conjunction with the thesis itself, will determine the candidate's final standing for the degree.

The Department encourages research in the following areas:

(1) Social stratification and mobility;

(2) The relationship of Ethnic and other Minority Groups;

(3) Public Opinion and the Media of Mass Communications;

(4) Collective Action and Social Movements;

(5) Education and Socialization;

(6) Specific Institutions and Professions such as the family, the hospital, the Medical Profession, etc.

(7) Industrial Institutions and Business Organizations.

Students trained elsewhere who lack the entrance requirements for graduate work at McGill may fulfil these by registering for a Qualifying year.

COURSES OFFERED

301. ANALYSIS OF INDUSTRIAL SOCIETIES. Third year (Full course). Comparative treatment of the social systems of such modern industrial societies as the United States, Soviet Russia, England, Japan, and Canada. Categories of analysis include kinship, occupation, property, stratification, the organization of authority and major values.

3 hours. *Professor Roseborough*

302. MINORITY GROUPS AND THE COMMUNITY. Third year (Full course). The rise of modern urbanism; patterns and theories of urban growth; the participation of minority groups in urban institutions; the relation of minority groups to the class and caste structure; problems of upward and downward mobility; dominant group attitudes and ideologies concerning minority groups; the effect of minority group membership on the individual.

3 hours. *Professor Ross*

303. THE FAMILY AND SOCIALIZATION. Third year (Full course). The family will be studied as a primary group and as an institution. Attention will be given to trends in family organization, reactions to family crises, and the prediction of success and failure in marriage. Socialization will be studied from the perspective of social interaction. Attention will be given to theories of socialization; agencies such as the school, peer group, and mass media; and the varying patterns in social class, ethnic, and other societal sub-divisions.

3 hours. *Professors Westley and Elkin*

304. TECHNIQUES OF SOCIOLOGICAL RESEARCH. Third year (Full course). An introduction to the practical and theoretical problems of sociological research. Among the topics discussed are the formulation of research problems, the selection of samples, and the analysis and interpretation of data. Among the techniques are observation, interviewing, and questionnaire construction.

3 hours. *Professors Roseborough and Solomon*

360a. CRIMINOLOGY. Third or Fourth year (Half course). Theories of crime; social systems and their punitive practices; types of crime in modern society; the relationships between social power, the law, and crime; the slum community; the police; political crimes.

3 hours, first term. *Professor Westley*

(*Not given in 1959-60.*)

401. MASS COMMUNICATIONS AND COLLECTIVE BEHAVIOUR. Fourth year (Full course). The nature of mass society; crowds, fashions, and other elementary forms of collective behaviour; social movements; social control, content, and influence of the press, movies, television, and other media of mass communication.

3 hours. *Professor Elkin*

402. SOCIOLOGY OF WORK. Fourth year (Full course). Work will be considered from two points of view: (A) the professions and other specialized occupations; occupational choice and mobility; types of careers; problems of achieving conformity to occupational norms; professional and trade associations; self-involvement in an occupation. (B) Industrial and other work organizations; formal and informal organization; roles of managers, executives, technical specialists, foremen, and workers; the concept and dynamics of bureaucracy; industry and society.

3 hours. *Professor Solomon*

403. THEORIES OF SOCIAL BEHAVIOUR. Fourth year (Full course). The first part of the course will focus on 19th and 20th century theories of the nature of society and the relationship between society and the individual. Special attention will be devoted to the development of systematic theory in sociology. The second part of the course will focus on sociological theories of personality with particular emphasis on the function of language and communication in social development.

3 hours. *Professors Roseborough and Westley*

411b. SOCIAL STRATIFICATION. Fourth year (Half course). The theory of caste and class divisions in modern society; the structure of class groups in the United States and Canada; the criteria of rank and the symbols associated with rank; the relationship between occupation, education, and class position, problems of upward and downward mobility.

3 hours. *Professor Ross*

(*Not given in 1959-60.*)

440b. POPULATION AND MIGRATION. Fourth year (Half course). An examination of the population composition of selected societies, regions and communities. Attention is centered on techniques of population research and on the social determinants and consequences of population distribution and change.

3 hours. *Professor Roseborough*

(*Not given in 1959-60.*)

610. SOCIAL COMMUNICATIONS AND PERSONALITY (Full course). Seminar for advanced study in the theory of social communications and interaction; emphasis is placed on the development of the social self, and the socio-linguistic bases of human communication.

3 hours, both terms. *Professor Elkin*

710. THE SOCIAL DIVISION OF LABOR (Full course). A discussion of recent theory pertaining to social organization, largely concerned with the works of Durkheim, Weber, and contemporary American writers.

3 hours, both terms. *Professors Roseborough and Solomon*

720. READING IN SOCIAL THEORY (Full course).

3 hours, both terms. *Staff*

ANTHROPOLOGY

The undergraduate courses prerequisite to graduate work are: Sociology 304 and 403 and Anthropology 313 and 412, plus one other course in Sociology or Anthropology. These courses are available to students who are completing the entrance requirements for graduate work. In addition, seminars on North American Indians and Eskimos, and on selected problems in anthropological research are available to graduate students. A student transferring to McGill would be expected to have attained the equivalent of satisfactory Honours standing (a minimum of 65% in each course) in the prerequisite courses. For further information regarding the undergraduate courses in Anthropology, consult the Announcement of the Faculty of Arts and Science.

To obtain his M.A. degree the student is required to register for three graduate seminars. However, the primary concern of the candidate is his thesis. For this, the exploratory work, at least, should be undertaken early in the graduate year. Following the presentation of the thesis, a comprehensive oral examination will be held which, in conjunction with the thesis itself, will determine the candidate's final standing for the degree.

The Department encourages research in the following subjects:

(1) North American Indians and Eskimos;

(2) Economic Development and Culture Change;

(3) Culture and Mental Health.

Students trained elsewhere who lack the entrance requirements for graduate work at McGill may fulfil these by registering for a Qualifying year.

COURSES OFFERED

312. SURVEY OF PRIMITIVE AND NON-WESTERN CULTURES. Third or Fourth year (Full course). *First term:* Examination and comparison of primitive cultures throughout the world with particular emphasis on their technologies and values and their familial, educational, economic, religious, and political systems. *Second term:* Intensive ethnographic study of the native Japanese, Hindu, and Chinese cultures in Asia, and the Banganda and Ashanti in Africa.

3 hours. *Professor Yatsushiro*

Texts: Service, *A Profile of Primitive Culture* (Harper); One other text to be designated.

313. HUMAN CULTURE: ITS GROWTH, SPREAD, AND CHANGE. Third or Fourth year (Full course). *First term:* The nature of human culture; its evolution and diffusion from prehistoric times to the beginnings of recorded history. *Second term:* Analysis of the process, determinants, and principles of culture change, based on an examination of selected non-Western cultures. Attention is given to the cultural reorganization resulting from social and technological innovations and from contact with Western civilization.

3 hours. *Professor Yatsushiro*

Texts: Linton, *The Tree of Culture* (Knopf); Spicer, *Human Problems in Technological Change* (Russell Sage).

325b. THE CULTURE AND SOCIAL ORGANIZATION OF FRENCH CANADA. Third or Fourth year (Half course). The description and analysis of the culture and social organization of French Canadians in the Province of Quebec and of French-speaking groups in North America.

3 hours, second term.

(*Not given in 1959-60*).

412. SOCIAL AND CULTURAL ANTHROPOLOGY. Fourth year (Full course). *First term:* Historical review of theories in anthropology; analysis of the social organization of non-Western peoples and cultures. *Second term:* The patterning and integration of culture; ethos and value systems.

3 hours. *Professor Fried*

420a. CULTURE AND PERSONALITY. Third or Fourth year (Half course). The study of the cultural background of personality; the effects of socialization on personality formation in diverse types of cultures, primitive and modern; the relation of social structure and cultural values to personality dynamics.

3 hours, first term. *Professor Fried*

422b. PRIMITIVE ECONOMICS. Third or Fourth year (Half course). Analysis of the modes of production, exchange, and consumption of selected non-Western societies; the relation of economics to other aspects of culture; the values and motives underlying economic behaviour and the economic system.

3 hours, second term. *Professor Yatsushiro*

Text: Herskovits, *Economic Anthropology: A Study in Comparative Economics* (Knopf).

(*Given in 1959-60 and alternate years*).

426b. PRIMITIVE RELIGION. Third or Fourth year (Half course). The study of religious beliefs and practices in primitive and non-Western cultures, with special reference to the relationship of religion to economic, political, stratificational, and other aspects of cultural life. Magic, witchcraft, divination, shamanism, totemism, animism, animatism, ancestor worship, and other related topics are discussed.

3 hours, second term. *Professor Yatsushiro*

Text: Howells, *The Heathens: Primitive Man and His Religions* (Doubleday).

(*Given in 1960-61 and alternate years*).

620. ABORIGINAL POPULATIONS OF QUEBEC. The seminar will deal with problems in the historical reconstruction of Indian and Eskimo cultures and examine the present status of native populations in the province.

3 hours. *Professor Fried*

630. SOCIAL INSTITUTIONS OF FRENCH CANADA. A discussion of the main institutions characteristic of French Canada.

3 hours.

(*Not given in 1959-60.*)

640. SEMINAR IN ANTHROPOLOGY. The seminar will examine selected topics and areas of study that will be determined in part by student need.

3 hours, one term. *Professor Yatsushiro*

"SEMINAR ON THE PLEISTOCENE AND ARCTIC," see under Geography.

DEPARTMENT OF ZOOLOGY

Professors	JOHN STANLEY, *Chairman*
	N. J. BERRILL
Associate Professor	M. J. DUNBAR
Assistant Professor	JOAN MARSDEN
Lecturer	M. A. ALI

Special Lecturer (Professor of Parasitology and Director of the Institute of Parasitology at Macdonald College) T. W. M. CAMERON

Graduate students are expected to take such courses, including cognate courses in other departments, as relate to their particular line of specialization, if not previously taken. Qualifying students may be required to take up to five full courses, others will take from two or three in their first year to none in their last year. Primary emphasis for both the M.Sc. and Ph.D. is placed upon research and thesis presentation.

Ph.D. candidates will be required to write a comprehensive examination lasting six hours in February of their penultimate year. Copies of past papers are available in the Department.

The Department specializes in work bearing on developmental theories, embryology, histology, limnology, biomathematics, marine and Arctic biology.

Excellent laboratory and library facilities are available for research, including constant temperature equipment. The Blacker and Wood Zoological Libraries comprise over 50,000 volumes.

Students are accepted on the basis of a good Honours degree from a Canadian or British University, or on the basis of first class standing with a major in the biological field from an American or other University. Students applying on the basis of an Honours degree in the General Honours in the Biological Sciences course offered at McGill University should have at least a high second class, and should understand that they may have to spend additional time in fortifying their knowledge of zoology.

324. ADVANCED INVERTEBRATE ZOOLOGY (*except* ARTHROPODA). A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of invertebrate animals other than the Phylum *Arthropoda*. Graduate students will be expected to do additional work and reading.

2 lectures and 3 hours laboratory per week. *Professor Stanley*

Textbooks: Borradaille, Eastham, Potts, *The Invertebrata* (Macmillan); Pratt, *Manual of the Common Invertebrates* (Macmillan).

A laboratory manual is issued by the Department.

(*Offered in alternate years with Zoology 325. Offered in the session 1959-60.*)

325. THE ARTHROPODA. A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of animals of the Phylum *Arthropoda*. Graduate students will be expected to do additional work and reading.

2 hours lectures and 3 hours laboratory per week. *Professor Stanley*

Textbooks: Borradaille, Eastham, Potts, *The Invertebrata* (Macmillan); Pratt, *Manual of the Common Invertebrates* (Macmillan).

A laboratory manual is issued by the Department.

(*Offered in alternate years with Zoology 324. Not offered in the session 1959-60.*)

431. HISTOLOGICAL TECHNIQUE (PRACTICE AND THEORY). Training in the making of various types of histological preparations, discussion of the theories involved, and interpretation of the results obtained.

1 hour lecture and 6 hours laboratory per week. *Dr. Ali*

Textbook: Carleton & Orway, *Histological Technique* (Oxford University Press).

Prerequisite: Zoology 322 (Second class standing).

332. ANIMAL ECOLOGY. A study of the inter-relations between animals, groups of animals, and their environments. The zoogeography of terrestrial, marine and fresh water populations; the analysis of the physical environment in all three divisions of the biosphere; migrations, emigrations, and other movements of animals, and the numerical behaviour of populations. Ecology and Evolution. Graduate students will be expected to do additional work and reading.

3 lectures per week. *Professor Dunbar*

435. APPLIED BIOMATHEMATICS. A study of mathematical theories of growth and form, mathematics as applied to the growth of populations; host-parasite relations, relative growth, radio-active tracers, etc. Graduate students will be expected to do additional work and reading.

2 lectures per week, first term; 1 per week, second term.

Professor Stanley

Prerequisite: A good working knowledge of the calculus.

337a. THE HISTORY OF BIOLOGY. A study of the development of scientific observation in biology, with emphasis on zoology, from the Sixth Century B.C. to the present day. The history of anatomy, comparative morphology, embryology, palaeontology, and ecology. Theories of the relationships of animals, and parts of animals, and of their evolution. Philosophical history of biology. Biological expeditions. Graduate students will be expected to do additional work and reading.

3 lectures per week, first term. *Professor Dunbar*

Textbooks: Singer, *Short History of Biology* (H. K. Lewis); Nordenskiold, *History of Biology* (Tudor).

(*Offered in alternate years with Zoology 446a. Not offered in 1959-60.*)

343. LIMNOLOGY. A study of the fresh water environment and its organisms. The classification of inland waters, the physical, chemical and biological characteristics of lakes. Productivity of and evolutionary changes in lakes. Rivers, bogs, special types of lakes.

First term: 1 lecture a week with seminars and field trips.

Second term: 1 lecture a week with field trips when possible.

Professor Marsden

345. PHYSIOLOGICAL ZOOLOGY. A functional study of diverse mechanisms which have been evolved in different types of animals to carry on such basic activities of life as nutrition, water balance, nitrogen excretion, respiration, locomotion, stimulus reception, nervous and endocrine co-ordination.

2 hours lectures and 3 hours laboratory per week throughout the session.

Professor Marsden and Dr. Ali

Prerequisites: Zoology 211 or 221, and Physiology 22.

446a. SYSTEMATICS AND EVOLUTION OF VERTEBRATES. A study of the present systematics of the vertebrate classes, presented in terms of their past histories since the periods of their first appearance.

3 lectures per week, first term. *Professor Dunbar*

(*Offered in alternate years with Zoology 337a. Offered in 1959-60.*)

551. ARCTIC ZOOLOGICAL RESEARCH. A seminar course for graduate students designed to stimulate interest in zoological work and research in Arctic North America. The history of zoological work in the north, special problems, conservation and development, field methods. Introduction to the literature.

1 hour per week. *Professor Dunbar*

552. THE GROWTH OF POPULATIONS. A study of the works of Bailey, Crombie, Gause, Lotka, Malthus, Mendes, Nicholson, Salt, Stanley, Volterra, Weiner and others relative to mathematical theories of the growth of populations. A laboratory study of a population and analysis of the results.

Seminars, lectures and laboratory work equivalent to 2 hours lectures and 3 hours laboratory per week for 2 terms. *Professor Stanley*

Prerequisite: Zoology 435 and ready familiarity with calculus, differential equations, theory of equations, etc.

553. MARINE BIOLOGY. A study of the fundamentals of, and methods in, marine biology (including physical oceanography). An introduction to the literature.

1 hour per week. *Professors Berrill and Dunbar*

"SEMINAR ON THE PLEISTOCENE AND ARCTIC," see under Geography.

LIBRARIES

All resident graduate students have access to the Redpath Library, containing over 500,000 volumes. The building also houses a number of special collections, such as the Blacker Library of Zoology. The Libraries of Engineering and of Medicine are housed in the Engineering and Medical buildings; the latter includes much of the material for the medical sciences, and a separate room contains the Osler Library, devoted principally to medical history. There are special libraries for Commerce and Law and at Macdonald College. A number of departments maintain special libraries, of which the most extensive are in Chemistry, Geology, and Physics, grouped together in the Physical Sciences Centre. All of these collections may be consulted by resident graduate students, though the hours for reading and the conditions under which books may be consulted or borrowed are not the same in all cases.

McGill University Montreal
Library School
1959-1960

McGill University

Montreal

Library School

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
Institute of Education
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

Library School

The Library School is under the administrative jurisdiction of the Faculty of Arts and Science.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

F. Cyril James, Chevalier de la Légion d'Honneur, Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

D. L. Thomson, Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal and Dean, Faculty of Graduate Studies and Research*

H. N. Fieldhouse, M.A., F.R.S.C. — *Dean, Faculty of Arts and Science*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

D. C. Bain, B.A. — *Chief Accountant*

LIBRARY SCHOOL STAFF*

Vernon Ross, B.S. in L.S. (Columbia), M.A.
Director of the Library School and Associate Professor of Library Science

Virginia Murray, B.L.S., M.A. (Columbia) — *Assistant Professor*

Effie Astbury, B.A., B.L.S., M.L.S. (Toronto) — *Assistant Professor*

Violet Coughlin (Mrs. Erroll), B.Sc., B.L.S., M.A. (Columbia)
Assistant Professor

Beryl L. Anderson, B.L.S., M.A. (Dalhousie) — *Lecturer*

Richard Pennington, B.A. (Birmingham), Lib.Dipl. (Lond.)
Librarian, McGill University, and Sessional Lecturer

Grace E. De Jong (Mrs. John H.) — *Secretary*

**Degrees received from McGill University carry no institutional designation.*

CALENDAR

1959

September 21, Monday. Students register in the Library School.

September 22, Tuesday. Lectures begin in the Library School.

December 19, Saturday. Christmas Holidays begin.

1960

January 4, Monday. Lectures resume in the Library School.

January 15, Friday. First term ends in the Library School.

January 18, Monday, to January 22, Friday. Examinations in the Library School.

January 25, Monday. Second term begins in the Library School.

April 15, Friday, to April 18, Monday. Easter Vacation.

May 6, Friday. Lectures end in the Library School.

May 10, Tuesday, to May 17, Tuesday. Examinations in Library School.

May 27, Friday. Convocation.

Dates to be announced: Library School trip. Field work.

Special dates for M.L.S. *students:* see page 3017.

McGill University

LIBRARY SCHOOL

GENERAL

McGill University was the first institution in Canada to provide library training and the first to grant the degree in library science. Short summer courses were given from 1904-1927, the first regular sessional course being given in 1927-28. The School was accredited by the Board of Education for Librarianship of the American Library Association and the B.L.S. (5th year) degree was first conferred in May, 1931. In 1957 the School was reaccredited as a graduate library school by the Committee on Accreditation of the American Library Association, and it is listed with the American library schools which give the M.L.S. (5th year) degree. The McGill M.L.S. is given after a 6th year of study and is a research degree for advanced graduate work only. It is open to experienced librarians who already hold a 5th year B.L.S. or a 5th year M.L.S. For description see page 3016.

University graduates are trained for professional library work of all kinds—in university and college, public, school, children's, and special libraries. The school is situated in a large city in which are to be found all types of library and it is a part of a university with a tradition of sound scholarship. It occupies rooms in the main University Library building and its students have access to the stacks of the University Library.

DEGREE OF BACHELOR OF LIBRARY SCIENCE

Candidates who successfully complete all the required work of the School are entitled to receive the degree of Bachelor of Library Science (B.L.S.) at the May Convocation and to wear the regulation black Bachelor's gown and a Bachelor's hood of black, lined with burnt orange silk and trimmed with white rabbit fur. Academic costume for graduation may be rented from the University.

REQUIREMENTS FOR ADMISSION

1. Applicants for admission to the course leading to the degree of Bachelor of Library Science must have a Bachelor's degree from an approved University or College. This degree must represent four years of work beyond the McGill Matriculation requirement or its equivalent.

Applicants must present an official transcript of their University or College record.

The School will take into account the character of the applicant's undergraduate studies and his, or her, suitability for library work. Courses in the humanities, sciences, and social studies are recommended as forming a suitable basis for subsequent training in library work, and it is expected that the applicant's academic grades shall have been better than average. Students whose undergraduate courses are unsuitable as a preliminary to Library School work may be required to undertake some supplementary preparation.

2. Applicants over thirty-five years of age will be considered for admission only in exceptional cases. They are at a disadvantage when applying for a position and usually find intensive study difficult. Exceptions may be made for those having special educational qualifications or several years of experience in library work.

3. As no one with *serious physical defects, personality difficulties, or ill health* can readily obtain a position in library service, such persons should not seek admission to the School.

4. Applicants for admission must fill in the School Application Form and attach thereto a recent photograph and an advance fee of $10.00 which will be credited to the student's fee account. Should the application be rejected, this advance payment will be refunded. No refund will be made in the case of a student who withdraws after the application has been accepted.

5. Students are advised to learn to use a typewriter before entering, since a large part of the work done must be in typewritten form.

6. Applicants without previous experience are strongly advised to work in a library before taking the course.

EMPLOYMENT

While the School does not guarantee positions to graduates and will not recommend any with less than a "B" average, it makes an effort to help its graduates find suitable positions. Complete records are kept in the Library School files, and letters of reference are sent to prospective employers on request. Transcripts of the academic record may be obtained by applying to the Registrar's Office.

Any graduate of an approved university who also has successfully completed the degree of Bachelor of Library Science at McGill University will be entitled without further examination to the Specialist's certificate which is issued to Librarians serving in the Protestant High Schools of the Province of Quebec.

MEDICAL EXAMINATION

1. HEALTH CERTIFICATE

Students when applying must present a certificate of health on a form which may be obtained from the School and which should be filled in and signed by a physician.

2. VACCINATION

All students entering the University are required by the Provincial Board of Health to present a certificate, or other satisfactory evidence, of successful vaccination within seven years, or of insusceptibility to vaccine within five years, failing which they must immediately be vaccinated in a manner satisfactory to the Medical Examiner.

3. MEDICAL EXAMINATION

To promote their physical welfare, all men and women in the University are required to be medically examined at the beginning of the session.

REGISTRATION AND ATTENDANCE

REGISTRATION

Students in the Library School are required to present themselves at the office of the Library School on Monday, September 21st, preceding the commencement of lectures, in order to furnish the information necessary for the University records.

ATTENDANCE

1. Students are required to attend at least seven eighths of the total number of lectures or laboratory periods in any one course.

2. Excuses for absence on account of illness or domestic affliction are dealt with only by the Director of the School. Medical certificates covering absences must be presented by the student immediately after his return.

3. Those whose unexcused absences exceed one eighth of the total number of lectures in a course are not permitted to take the regular examination in that course; and those whose unexcused absences have exceeded one fourth of the total number of lectures must repeat the work in that course for credit.

EXAMINATIONS AND MARKS

Final marks are based on the term's work and the examinations. The pass mark is 65%.

No student will be permitted to sit for the examinations unless he, or she, has fulfilled the requirements of the course to the satisfaction of the Instructor and the Director. Students whose progress is unsatisfactory may be asked to withdraw from the School.

FEES AND EXPENSES

1. FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees in the General Information Pamphlet.

(*a*) *Regular students*

Fees are due and payable at the Accounting Office on or before September 22nd. If paid in two instalments the second shall be paid on or before January 15th. Instalment fee $5.00. A late fee of $2.00 is charged for payment after the specified dates, and no days of grace are allowed.

Fee for the Library Course $500.00

By instalments:

First instalment 227.50

Second instalment 277.50

These fees include registration, instruction, (including Library Visits) the use of the Library, health service, athletics, students' activities, and graduation diploma.

Fee for each supplemental examination 10.00

(*b*) *Partial students*

Information concerning fees for such courses may be obtained from the Secretary of the School.

(*c*) *Arrears*

Immediately after September 22nd (or January 15th in the case of students who pay by instalments), the Chief Accountant will send to the Director of the School a list of registered students who have not paid their fees. Such students cannot be re-admitted to classes until a satisfactory arrangement has been made with the Chief Accountant.

2. TEXTBOOKS AND MATERIALS

Students should allow at least $25 for text books. These are available from the University Book Store and the Library School. Blank forms, cataloguing cards, and other library supplies needed during the session may be obtained from the Secretary of the School.

3. LIBRARY VISITS

A week's visit, under the direction of members of the Faculty, to libraries in other Canadian cities is a required part of the Library course. (See 1*a* above.)

4. BOARD AND RESIDENCE

Information regarding accommodation may be found in the enclosed booklet of General Information.

5. CLUBS AND SOCIETIES

Students are encouraged to take advantage of the privileges offered to members of the Canadian Library Association, the Quebec Library Association, the Special Libraries Association, and the American Library Association. Women students of the School are eligible for membership in the University Women's Club, 3492 Peel Street, in the immediate neighbourhood of the School.

SCHOLARSHIPS

1. Two annual scholarships of $400 each in honour of *Dr. G. R. Lomer*, former Director of the Library School.
2. *The Grolier Society Scholarship*, $250.
3. The *Ethelwyn M. Crossley Scholarship Fund*, founded in honour of a former student of the school. Women students are given preference.
4. The *Elizabeth G. Hall Scholarship Fund*, founded in memory of a former member of the McGill University Library staff.
5. *McGill University Library School Alumni Scholarship Fund.*

These awards are made, after due investigation and recommendation, to deserving students who require financial assistance to take the course. Application should be made to the Director of the School.

A complete list of scholarships and bursaries and the regulations governing the various loan funds are given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

PARTIAL STUDENTS

Qualified students who are not candidates for the degree may be admitted to individual courses as partial students. Before registration such students must satisfy the staff of the School of their ability to follow the courses selected, and they must fulfil all requirements of classroom work and tests prescribed for regular students of these courses.

SPECIAL LECTURES

The students have the benefit of occasional special lectures from visiting librarians or local specialists. The programme for a recent session included lectures by: Dr. Wm. Kaye Lamb, National Librarian and Dominion Archivist; Dr. W. W. Francis, Librarian, Osler Library of Medicine; Miss M. Cameron, Chief Librarian, Halifax Public Library; Mr. Neal Harlow, Librarian, University of British Columbia; Mr. Deane Kent, Assistant Director, London Public Library; Mr. John Gray, Managing Director, The Macmillan Company of Canada; Mr. John Archer, Legislative Librarian and Provincial Archivist, Province of Saskatchewan; Mr. R. M. Hamilton, Asst. Librarian, Library of Parliament; Mr. Claude Aubry, Chief Librarian, Ottawa Public Library; Mr. Clement Potter, Pulp and Paper Research Institute; Miss Emily Keeley, Librarian, Industrial Cellulose Research Ltd.; Miss Kathleen Jenkins, Librarian, Westmount Public Library; Miss Frances Dumaresq, Library Consultant to the Protestant School Board of Greater Montreal; Miss Elizabeth Morton, Executive Secretary, Canadian Library Association.

DESCRIPTION OF COURSES

The courses provided by the School are based upon the librarian's relation to: the building in which his library is housed, the books, periodicals, and other materials in his charge, the readers whom he serves, and the staff with whom he works. In teaching the various subjects of the curriculum, every effort is made to relate them to library work as a whole and to develop a dynamic, rather than mechanical, point of view with regard to the present practice and the future possibilities of the profession.

Whenever possible, the past history, the practice of today, and the probable future development of library activities are related, and students are encouraged to assume an attitude that is constructively critical and forward-looking, rather than one that is merely imitative, conventional, and retrospective. The work of the School is grouped under the following headings for convenience of instruction: 1. Organization and administration of libraries. 2. Acquisition and care of library materials. 3. Selection and use of library materials. 4. Field work.

ALL COURSES ARE REQUIRED EXCEPT THOSE MARKED ELECTIVE (SEE BELOW).

ELECTIVES

Special courses given in the second term are: Public Library Services; Children's and School Libraries; College and University Libraries; Special Libraries; Cataloguing and Classification; Government Documents. Three of these must be elected.

COURSE VALUES

Courses are of various lengths. The point value of each is shown in parentheses followed by the number of the term in which it is given.

I. ORGANIZATION AND ADMINISTRATION OF LIBRARIES

This group of courses is planned to give a general picture of the ideals, functions, and successful operation of libraries of different types. It is concerned with the place of the library in the community, the duties and opportunities of the librarian, and his relation to the governing authorities, staff, and readers. These courses form both framework and background for the more detailed instruction in specialized services.

1. THE LIBRARY PROFESSION (2) I (1) II *Professor Ross*

Intended to provide professional background, this course includes the historical development of library work; some famous libraries and librarians; a history of printing in Canada and the development of Canadian libraries; a brief survey of work in various types of library; an introduction to the literature of the profession; a study of the work of library associations; consideration of the training, qualifications and ethics of the librarian; efficient methods of work organization; personnel problems and public relations.

2. HISTORICAL BIBLIOGRAPHY (1) II *Mr. Pennington*

This course deals with the history of the manuscript and printed book in Europe from classical times to the present. It includes lectures on palaeography, the transmission of texts, the invention and development of printing, and the technical processes of book making, including book illustration.

3. LIBRARY BUILDINGS AND EQUIPMENT (1) II *Professor Ross*

In this course the following subjects are discussed: principles in library planning; reading of architect's plans; the planning of various types of library; heating, ventilation, and lighting; furniture and equipment. The lectures are illustrated by specially prepared diagrams. Students are required to work out simple planning problems illustrating topics considered in the course.

4. LIBRARY ORGANIZATION (2) I *Professor Coughlin*

Deals with such elements of library administration as may be applicable to any type of library. Special consideration is given to public libraries, e.g. city government, board meetings, budget, standards, statistics, and library legislation.

5. PUBLIC LIBRARY SERVICES (2) II ELECTIVE *Professor Coughlin*

Consideration is given to the public library's responsibility to its readers, the measurement and evaluation of its services, the interpretation to the user by means of annual reports and other library publications, exhibits and displays, and the use of mass media. Detailed study is made of the social structure of the community; the relation of the library to the agencies of adult education; readers' advisory work and discussion groups; and the use of records, films, radio, and television. The organization and operation of county and regional library services in Canada and other countries is included.

6. COLLEGE AND UNIVERSITY LIBRARIES (2) II ELECTIVE *Professor Astbury*

The problems of organization and growth are considered, including service to undergraduates, research students, faculty members and departmental libraries; special collections and reading rooms; teaching the use of the library; the allocation of funds; the use of micro-materials and such technical processes as differ from those in public and other libraries.

7. SPECIAL LIBRARIES (2) II ELECTIVE *Miss Anderson*

This course is designed to present the purpose and point of view of the special library and to discuss the adaptation of general library techniques to its needs. Special attention is paid to the organization and administration of libraries in business and industry. Research methods and sources of information peculiar to selected fields are surveyed and discussed.

8. LIBRARY WORK WITH CHILDREN (2) II ELECTIVE *Professor Coughlin*

This course shows the adaptations necessary in cataloguing and classification, reference work, book selection, and general administration to serve the needs of libraries for children and young people. Children's literature from the historical point of view is reviewed; modern illustrators and modern authors are discussed. Special problems of the school library are considered. The lectures are supplemented by story telling, and by practical work in, and visits to, children's libraries.

II. ACQUISITION AND CARE OF LIBRARY MATERIALS

The purpose of these courses is to train the future librarian in the principles of wise, economical, and adequate provision of books, periodicals, pamphlets, films, phonograph records, etc., for library use, and the best modern technique to be applied in recording them and in making them available to the public.

9. TECHNICAL PROCESSES (2) I *Professor Astbury*

Acquisitions. Deals with the acquisition of books, periodicals and other materials, by purchase, gift and exchange. Trade bibliographies are examined in detail, and sources for obtaining both new and second-hand books are discussed. The various routines followed and records kept by the acquisitions department are studied.

Circulation. Charging systems used by libraries of various types are studied in detail, with some consideration of the history of circulation procedures and also recent innovations. Other routines and regulations, statistics, shelf work, and the administration of the circulation department are discussed.

Binding. A brief survey of methods of binding, repair and preservation of library materials; the organization, routines and records of the library binding department with special reference to the collating of periodicals and other material.

10. CATALOGUING AND CLASSIFICATION (4) I (3) II

Professor Murray and Miss Anderson

The principles and purpose of classification and cataloguing are studied with a view to their application in libraries of different types and sizes. The Dewey Decimal Classification and the Library of Congress Classification are carefully studied. Special attention is also paid to the care of audio-visual materials.

11. CATALOGUING AND CLASSIFICATION (2) II ELECTIVE *Professor Murray*

The history and theory of classification are considered; the Universal Decimal Classification, the Bliss Bibliographic and Ranganathan's Colon Classification schemes are examined; the problems of subject analysis and of re-cataloguing and re-classification are considered as well as the organization and administration of cataloguing service. New developments for the storage and retrieval of information are also discussed, e.g. co-ordinate indexing, punched card systems, etc.

III. SELECTION AND USE OF LIBRARY MATERIALS

The needs of the reader are explained and provided for by a carefully planned study of the subject content of books as well as the adaptation of non-book materials to practical use in libraries of various types.

12. SELECTION OF BOOKS AND OTHER MATERIALS (3) I (2) II *Professor Coughlin*

This course deals with methods of selecting books, films, records, etc. for various types of libraries, communities, and readers. Representative books of all classes are examined for their literary value as well as their physical make-up, and various editions, translations, and series are compared.

The student becomes familiar with the general and special printed aids to selection; the characteristics and specialties of publishing houses; and the problems of authorship, copyright, and censorship.

Training is given in book evaluation, annotation, and written and oral book reviewing.

13. REFERENCE MATERIALS AND METHODS (3) I (4) II *Professor Astbury*

The purpose of the course is to give a practical understanding of efficient reference service, the administration of a reference department and a critical knowledge of reference materials.

In the first term general basic reference books are studied. Printed bibliographies of all kinds are considered and practice is given in dealing with questions requiring bibliographical research. The second term is devoted to the reference materials of the humanities, social sciences, biological sciences and physical sciences. Particular attention is paid to the special approach needed for work in each field. Every student is required to make an intensive study of the literature of one subject.

14. GOVERNMENT PUBLICATIONS (2) II ELECTIVE *Professors Ross and Murray*

Deals with Canadian, British, and United States publications; some attention also being given to foreign documents, and United Nations and UNESCO publications.

15. SERIALS

A brief sketch of the historical development of serials is given; study is made of the various types of serials published to-day, such as popular magazines, technical journals, house organs, and the publications of societies and institutions.

A systematic survey is made of problems in the selection and ordering of serials in English and foreign languages; checking and claiming; circulation, binding, and storage; exchange of duplicates and completing of sets.

This course will be given in the present session in conjunction with Book Selection, Cataloguing and other courses.

16. BIBLIOGRAPHY AND RESEARCH METHODS (1) I *Professor Ross*

Training is given in the preparation of a research paper and in the compilation of an annotated bibliography.

IV. FIELD WORK

VISITS TO LOCAL LIBRARIES

The following libraries in Montreal are visited and many are used regularly by the students.

Public Libraries: Montreal Public Library and its branches; Westmount Public Library; Fraser-Hickson Institute; Mechanics' Institute; St. Sulpice Library; Jewish Public Library.

Special Libraries: Divinity Hall Library; Osler Library (Medicine); Purvis Hall Library (Commerce); Montreal Museum of Fine Arts Library; also the libraries of Canadian Industries Ltd., Bell Telephone Company, Sun Life Assurance Company, Royal Bank of Canada, Shawinigan Water and Power Company, Aluminum Company of Canada, International Civil Aviation Organization, Canadian Broadcasting Corporation, Pulp and Paper Research Institute.

College and University Libraries: McGill University (Redpath) Library; Macdonald College Library; Sir George Williams College Library; Bibliothèque de l'Université de Montréal.

Children's Libraries: Montreal Children's Library; Westmount Public (Children's) Library; Fraser-Hickson Children's Library; Notre Dame de Grace Children's Library; Montreal Public Library and its branches; the libraries of Montreal High School, Lachine High School, Westmount Junior High School, and Commission des Ecoles Catholiques de Montréal.

LIBRARY VISITS TO OTHER CITIES

A week's visit to other cities in Canada, with a programme of conducted visits to libraries, is a required part of the course. This illustrates the practical application of subjects taught. Each student is required to prepare a report and to take part in class discussions on methods observed.

LIBRARY EXPERIENCE

Work under supervision in a library is required during the session, in order that the student may acquire some appreciation of library service as a whole under everyday conditions.

DEGREE OF MASTER OF LIBRARY SCIENCE

The candidate must hold the degree of Bachelor of Library Science, or an equivalent degree, from an accredited Library School approved by McGill University. This degree must represent a fifth year of academic study in which the candidate has obtained at least a B average. Competence to undertake graduate study must have been demonstrated and at least two years of professional library experience is required. The student must show evidence of a reading knowledge of at least one language other than English before the degree is granted. The French language is recommended but another language may be accepted if appropriate to the work which the candidate intends to undertake. If courses taken previously by the candidate are considered inadequate for the graduate courses offered he may be required to undertake some additional courses in the Library School or elsewhere in the University.

A minimum of one full session or two half sessions of resident study at McGill University is required. Pass mark in each subject is 65 per cent.

Limited travel funds for research and attendance at occasional seminars will be available at the discretion of the Director.

Each course is conducted on the seminar plan under the direction of a member of the Library School staff. Specialists, who give one or several seminars include the following: Miss Edna Hunt, Assistant Librarian, National Research Council, Ottawa; Miss Ruth MacDonald, National Library of Medicine, Washington; Miss Mary Herrick, Boston University; Mr. Wyllis Wright, Williams College; Dr. Maurice Tauber, Columbia University; Mr. Charles D. Kent, Public Library and Art Museum, London, Ont; Dr. Ralph Shaw, Rutgers University; Dr. Mortimer Taube, President, Documentation Inc., Washington, D.C.; Mr. John Archer, Legislative Librarian and Provincial Archivist, Province of Saskatchewan; Dr. J. Zweig, Sir George Williams College; Dr. S. R. Ranganathan, India; and the following members of the staff of McGill University—Dean H. N. Fieldhouse, Dean of Arts and Science; Professor David Munroe, Director of the Institute of Education; Professor H. R. C. Avison, Director of Adult Education Services; Professor C. Gifford, School of Social Work; Dr. Margaret Nix, Department of Health and Social Medicine; Dr. Aileen Ross, Department of Sociology.

COURSES

Required

A. Thesis—3 copies when completed should be presented to the office of the Dean of Graduate Studies and Research on dates specified in the General Information Pamphlet.

B. Research methods in library science.

Elective (the equivalent of 2 full courses must be taken. These may not all be available in any one year. Inquiries should be made at the Library School office).

C. Canadiana; archival and historical materials, their care and use.

D. Documentation; the acquisition and retrieval of research material. (Half course.)

E. Government documents. (Half course.)

F. Serials. (Half course.)

G. Cataloguing and classification; problems and developments.

H. The library in the community.

I. Advanced reference methods and materials. (Half course.)

J. A special subject may be taken in another Department of the University provided that the candidate has the qualifications normally required for advanced work in that field. Special permission must first be obtained from the Dean, the Director of the School and the Chairman of the Department concerned.

Preliminary application should be made to the Director of the Library School before August 10th and formal application papers must be completed and received by the Dean of the Faculty of Graduate Studies and Research before September 10th.

FEES

One session full time study	$500.00
One session half time study	250.00
Late registration fee	5.00
Instalment fee	5.00
Late payment fee	2.00

Payment may be made in two instalments in October and January.

SPECIAL DATES

1959

September 21st, Monday. Last day for receiving sessional registration forms in the Dean's Office, Faculty of Graduate Studies and Research.

September 28th, Monday. Lectures begin.

October 19th, Monday. Last day for registration at the Registrar's Office and for payment of fees.

1960

April 13th, Wednesday. Last day for filing theses for Spring Convocation.

August 24th, Wednesday. Last day for filing theses for Fall Convocation.

McGill University

Montreal

School for Graduate Nurses

Beatty Memorial Hall

1959-1960

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Montreal

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1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts, and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
Institute of Education
French Summer School
Extension Courses

The Directory of Staff (University and Faculty administrative officers, standing committees, and officers of instruction)

The Calendar (available for distribution only to libraries and officials of certain institutions)

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School for Graduate Nurses

The School for Graduate Nurses is under the administrative jurisdiction of the Faculty of Medicine.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, B.Sc., M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

Lloyd G. Stevenson, B.A., M.D. (Western), Ph.D. (Hopkins) — *Dean of the Faculty of Medicine*

Rae Chittick, B.S. (Columbia), M.A. (Stanford), M.P.H. (Harvard), LL.D. (Alberta), R.N. — *Director of the School for Graduate Nurses*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. MacDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

ADVISORY COMMITTEE

Dean Lloyd G. Stevenson, *Chairman*

Miss Rae Chittick

Miss Eileen C. Flanagan

Miss Helene Lamont

Mrs. Alastair MacLeod

Professor Frank C. MacIntosh

Dr. C. A. Roberts

Professor R. P. Vivian

SCHOOL FOR GRADUATE NURSES OFFICE

BEATTY MEMORIAL HALL

1266 Pine Avenue West

Montreal 25, P.Q.

Telephone—VI 9-9181

STAFF OF SCHOOL FOR GRADUATE NURSES

RAE CHITTICK, B.S. (Columbia), M.A. (Stanford), M.P.H. (Harvard), LL.D. (Alberta), R.N. — *Flora Madeline Shaw Professor of Nursing, Director*

MOYRA ALLEN, M.A. (Chicago), B.N., R.N. — *Associate Professor of Nursing*

ELIZABETH LOGAN, B.Sc. (Acadia), M.N. (Yale), R.N. — *Assistant Professor of Nursing*

HELEN GEMEROY (MRS. G. A.), B.A. (Sir George Williams), M.A. (Columbia), R.N. — *Assistant Professor of Nursing*

KATHLEEN L. MACDONALD, B.Sc.(N) (Alberta), M.N. (Washington), R.N. — *Assistant Professor of Nursing*

ELIZABETH J. WORTHY, Sister Tutor Diploma (London), B.N., R.S.C.N., R.N. — *Lecturer, Maternal and Child Health Nursing*

FLORA M. DEVANEY, B.Sc. (Hunter), M.A. (Columbia), R.N. — *Lecturer in Nursing*

DOROTHY ROWLES, B.N., R.N. — *Lecturer in Nursing*

LYDIA H. POPE — *Librarian*

OTHER OFFICERS OF INSTRUCTION IN THE SCHOOL

MARION BAIN (MRS. D. C.), M.Sc. (Columbia), B.H.S. — *Assistant Professor of Health and Social Medicine*

MARK PHILIP BRYDEN, S.B. (M.I.T.), M.Sc. — *Lecturer in Statistics*

MADELINE FLANDER, Cert. S.G.N., R.N. — *Lecturer in Paediatric Nursing*

EILEEN C. FLANAGAN, B.A., R.N. — *Director of Nursing, Montreal Neurological Institute*

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HELENE LAMONT, B.N., R.N. — *Director of Nursing, Royal Victoria Hospital*

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A. W. MACLEOD, B.Sc., M.B., Ch.B., D.P.H. (Glasgow), Dip. Psych.Med., M.R.C.P. (London) — *Assistant Professor of Psychiatry and Lecturer in Health and Social Medicine*

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Associate Professor of Health and Social Medicine

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Supervisor of Nursing, Royal Victoria-Montreal Maternity Hospital

MURIEL H. STERN, M.Sc., Ph.D. *Lecturer in Psychology*

J. GILBERT TURNER, M.D., C.M., M.Sc., F.A.C.H.A., Executive Director, Royal Victoria Hospital *Lecturer in Hospital Administration*

R. P. VIVIAN, M.D. (Tor.) *Professor of Health and Social Medicine*

A. H. WESTBURY, F.I.H.A. (Eng.), F.C.I.S., Executive Director, Montreal General Hospital *Lecturer in Hospital Administration*

GENERAL INFORMATION

The School for Graduate Nurses was established in 1920 to prepare well-qualified graduate nurses for positions of leadership in hospital and community nursing. The various programmes in administration, teaching, supervision and public health nursing have attracted graduate nurses from every province in Canada and from several foreign countries. In 1957, a new programme in basic nursing was introduced to prepare high school graduates for the many positions open to well-qualified nurses. This programme combines general education with professional courses over a period of five years from McGill Junior Matriculation and leads to the degree of Bachelor of Science in Nursing. Graduates of this programme are qualified for staff positions in public health agencies as well as in hospitals.

The School for Graduate Nurses, therefore, offers two types of programmes:

(1) Diploma and degree courses for graduate nurses. These courses are described on pages 3221 to 3225.

(2) A five-year course for high school graduates leading to the degree of B.Sc.(N.) This programme is described on pages 3209 and 3210.

PROGRAMMES FOR GRADUATE NURSES

The School offers programmes of study for graduate nurses in four main areas. These are as follows:

I: **Teaching and Supervision in Schools of Nursing:** Students selecting this field are prepared for positions as head nurses, ward supervisors, or classroom and clinical teachers. Students are given the opportunity to select one of a number of fields for specialization. These are the Teaching of the Basic Sciences*, Medical-Surgical Nursing, Psychiatric Nursing, and Maternal and Child Health (these students do major work in either Obstetric or Paediatric Nursing).

II: **Public Health Nursing:** This programme is designed to prepare nurses for staff positions in public health organizations.

III: **Administration and Education in Hospitals and Schools of Nursing:** This programme is open to experienced nurses who wish to qualify as directors of schools of nursing or directors of hospital nursing service.

IV: **Administration and Supervision in Public Health Agencies:** This programme prepares nurses with satisfactory experience to participate in supervision and administration in public health organizations.

COURSES LEADING TO A DIPLOMA

Students who successfully complete a programme of study in area I or II may be granted a diploma in the field of their specialization. The minimum entrance qualification to enrol in the diploma programme is McGill Junior Matriculation or its equivalent.

Of the ten papers required for McGill Junior Matriculation the compulsory subjects are English, History, Algebra or Advanced Arithmetic, and Chemistry or Biology. Chemistry and Biology should *both* be taken if possible. The other subjects of the examination are entirely optional. The general average for all papers must be at least 65%. (The equivalent of these papers taken in public examinations recognized by the University will be satisfactory.)

COURSES LEADING TO THE DEGREE OF BACHELOR OF NURSING

Students wishing to qualify for the degree of Bachelor of Nursing must first complete a programme of study in either area I or II which represents the first year of the work for the degree. These programmes are basic to the more advanced work in public health nursing, nursing education, and administration in hospitals and schools of nursing.

Entrance qualification for the degree programme is either McGill Junior Matriculation or McGill Senior Matriculation or their equivalents, but those students who enter with Junior Matriculation standing must

*Open only to students in degree programme.

complete three years of study before qualifying for the degree of Bachelor of Nursing. One year of this time will be spent in general education which must be comparable to that required to pass with satisfactory standing the appropriate papers in the McGill Senior School Certification Examinations. The subjects required are English, Chemistry, and any three of the following: History, Biology, French, Spanish, German, Latin, Mathematics, Physics.

PART-TIME STUDY

Nurses who live in or near Montreal may register as partial students in the regular day programme or in the evening classes offered through the Department of Extension of the University. By special arrangement a one-year programme may be extended over two years for students who are unable to attend full time.

PROGRAMME IN BASIC NURSING

This is a programme for high-school graduates who wish to prepare themselves for a career in nursing. The time necessary to complete the requirements is five years. Successful candidates are granted the degree of B.Sc.(N). The first year is devoted to academic courses with emphasis on the basic sciences. The following four years consist of both academic and professional courses. Professional courses include classroom instruction and clinical experience in the McGill teaching hospitals and in selected public health agencies in the City of Montreal. In the final year emphasis is placed on teaching methods and administrative skills.

Students may be admitted into the basic nursing programme after passing the ten required papers of the McGill Junior Certificate Examination, or their recognized equivalents, with an overall average of at least 65%. In the University's own examinations the following papers are required:

No. of Papers	Subject
2	English
1	General History
2	Modern Language
2	Elementary Algebra Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen) *or* any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry

(c) Biology *or* Botany (Biology and Botany may not both be chosen)
(d) Chemistry
(e) Geography
(f) Physics
(g) British History *or* Canadian History
(h) Music *or* Drawing (Music and Drawing may not both be chosen)

—
10 papers

The above papers are the normal requirements for admission, but students who do not have exactly these requirements may be admitted, provided their high school record is exceptionally good and they show evidence of preparation and ability to meet successfully the demands of the course.

RESOURCES AND FACILITIES

Courses in nursing education are provided in the School. Other courses are available through the Faculty of Arts and Science and the Faculty of Medicine (including the Department of Health and Social Medicine), as well as through other Schools and Departments within the University.

The School, administered by the Faculty of Medicine, is located in Beatty Memorial Hall, which provides classroom space, lunch facilities, and other amenities. An up-to-date professional library is maintained at the School under the direction of a full-time librarian. Students have access to other libraries in the University.

Excellent community facilities are available for the observation of nursing in all its branches and for practice in teaching, supervision, and administration in hospitals, schools of nursing, and public health nursing fields.

The resources of the following organizations are available: the Royal Victoria Hospital (including the Allan Memorial Psychiatric Institute, and the Royal Victoria-Montreal Maternity Hospital); the Montreal General Hospital; the Montreal Children's Hospital; the Royal Edward Laurentian Hospital (tuberculosis) with its clinics; the Verdun Protestant Hospital; the Queen Mary Veterans Hospital; the Montreal Neurological Institute of McGill; St. Mary's Hospital; and the Queen Elizabeth Hospital, as well as other hospitals in Montreal.

The official and voluntary health agencies of the city and also clinics (both public and private) afford ample opportunities for study and field

experience in the various aspects of community health. These resources include the Victorian Order of Nurses, the Child Health Association, the municipal health departments of Greater Montreal, hospital out-patient departments, industrial health services, the Mental Hygiene Institute, the Family Welfare Association, the Children's Service Centre, nursery schools and day nurseries, child guidance clinics, and other organizations concerned with the welfare of individuals and families.

ENTRANCE REQUIREMENTS

GRADUATE NURSES

All applicants must have completed the basic nursing course in an approved school of nursing, be registered in the province or country from which they come, and meet the requirements for the programme selected.

For admission to the diploma courses candidates must have passed in the required papers of the McGill Junior School Certificate Examination or their recognized equivalents (see page 3208). Candidates for a degree must have met the requirements of the First year in the Faculty of Arts and Science, or have passed in the required papers of the McGill Senior School Certificate Examinations or their recognized equivalents (see page 3208).

BASIC NURSING

High School Graduates who wish to enrol in the programme leading to the degree of B.Sc.(N) must have passed in the required papers of the McGill Junior School Certificate Examinations or their recognized equivalents (see page 3209).

TRANSFER OF CREDITS

Consideration will be given to transfer of credits for work completed in another university if an official transcript of the student's work is sent directly to the School by the officers of the institution in which the work was completed.

APPLICATION FOR ADMISSION

All applications must be made on forms which may be obtained from the School for Graduate Nurses, McGill University, and must include a photograph of passport size. Official transcripts from their School of Nursing may be submitted by graduate nurses.

REGISTRATION

All students will register at Beatty Hall between the hours of 9 a.m. and 4 p.m. as follows:

First Year

Students in the First year of the Graduate Nurse Programme are required to complete a period of field work during September. Registration for them will take place on Thursday, August 27.

For First year students in the Basic Programme registration will take place on Tuesday, September 15.

Upper Years

All other students will register on Tuesday, September 22.

EXAMINATIONS

Final examinations are held for first-term half courses in January, and for full courses and second-term half courses in April and May. Mid-term examinations for full courses may be held in January depending upon the instructor.

Results of examinations are recorded according to class, as follows: Class I, 80% to 100%; Class II, 65% to 79%; Class III, 50% to 64%.

A student who has failed in a final examination and has been given permission by the Director of the School to write a supplemental examination, must write this supplemental during the following September. Written application must be made before August 15. A fee of $10.00 for each supplemental paper is payable to the Cashier as soon as the application has been approved. A student who wishes to write a supplemental examination outside McGill must make application to the Director to do so before August 1st. There is an additional fee of $10.00 for establishing such an outside centre.

HEALTH SERVICES

All students are required to have a medical examination by the University Health Service. There are no exceptions to this rule. Provision is made for health service to students *during the session* but not during vacations. (See *General Information* pamphlet for details.)

Students in the Basic Programme are required to have inoculations for typhoid, paratyphoid, tetanus, diphtheria, poliomyelitis, and tuberculosis. Students should make arrangements for these inoculations with their own physician before beginning the programme.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

University fee		$500.00
If paid by instalments:		
First instalment	$252.50	
Second instalment	252.50	
Instalment fee (included in above)		5.00
Late payment fee		2.00

Fees are due and payable at the Accounting Office in Dawson Hall, between the hours of 9 A.M. and 4 P.M. on or before September 27. A late fee of $2.00 is charged for payment after this date. As soon as possible after the prescribed dates the Chief Accountant will send to the Director of the School a list of the registered students who have not paid their fees. The Director will thereupon suspend such students from further attendance until the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

BOARD AND RESIDENCE

There are no University residence facilities for graduate nurse students of the School for Graduate Nurses. Every assistance is given to those seeking accommodation through a Rooms Registry located at the McGill Union. Application for rooms must be made in person from August 29 to October 1. The cost of board and lodging varies from $65.00 - $85.00 per month. The minimum cost of a furnished room with kitchen facilities is approximately $50.00 per month.

Students in the Basic Nursing Course whose homes are outside of Montreal live at Royal Victoria College. When application is made to the School for Graduate Nurses, application for residence must be made also to the Warden of Royal Victoria College, such application to be made before May 31. Forms for this purpose may be obtained from the College, from the Registrar's Office, or from this School.

Those students who do not reside with their parents or guardians in Montreal and who wish to live outside the University residence are required to submit their plans for residence in writing to the Warden and to obtain written approval. Students in this category who are entering the University for the first time must in all cases fill out residential application blanks when the academic application is submitted.

EXPENSES

APPROXIMATE COST OF THE COURSE

University fees	$500.00
Books and incidentals	approx. 50.00
Board and room	$700.00 to 900.00
Royal Victoria College (students in the Basic Course)	$730.00 to $760.00 (session)

Field work may involve additional expense for travel and living which the student must consider in estimating expenses.

UNIFORMS

All students in the Graduate Nurse Programme are advised to have at least two white uniforms. Full white uniform is required for field experience in hospitals and for Convocation. For students in public health nursing special field uniforms are available for rental at the School. These students should bring white collars and any plain dark hat and coat. Brown or black walking shoes with low heels are required. Students in public health nursing may have field work in hospitals, in which case white uniforms are worn.

Students in the Basic Nursing Programme are required to supply themselves with the School uniform obtained through the School.

BURSARIES AND SCHOLARSHIPS

There are a number of bursaries and scholarships open to all students registering in the University. Information may be obtained from the Registrar's Office. Applicants must meet the University entrance requirements for Junior Matriculation. The following bursaries are open to graduate nurses:

1. ALEXANDRA HOSPITAL

The Board of Governors offers a scholarship in the form of full maintenance at the hospital during a year's study at the School for Graduate Nurses. Only members of the hospital nursing staff are eligible.

2. ALUMNAE ASSOCIATION OF THE SCHOOL FOR GRADUATE NURSES

In memory of Dr. Marion Lindeburgh the Alumnae Association has established an annual scholarship of $500.00. This scholarship is open to graduate, registered nurses who wish to study at the School for Grad-

uate Nurses, McGill University, and who meet the entrance requirements. Applications should be submitted by June 15, 1958, to the Chairman of the Scholarship Committee, Alumnae Association, 1266 Pine Avenue West, Montreal, Quebec.

3. ASSOCIATION OF NURSES OF THE PROVINCE OF QUEBEC

(*a*) Two bursaries of $600 are customarily offered to practising members in good standing of the Association of Nurses of the Province of Quebec, whose qualifications are acceptable to a university. Any approved course may be selected.

(*b*) District No. 11 (English Chapter) Association of Nurses of the Province of Quebec offers a bursary of $1,500 to a member of the Chapter whose qualifications are acceptable to the University. The nurse who accepts the bursary will be expected to work in the Province of Quebec for two years following the completion of her course.

4. MONTREAL CHILDREN'S HOSPITAL SCHOOL OF NURSING

The Board of Governors offers a scholarship in the form of lodging at the hospital during one year's study at the School for Graduate Nurses. Those accepting the scholarship are required to work for one year at the Montreal Children's Hospital on completion of the course.

5. MONTREAL GENERAL HOSPITAL SCHOOL OF NURSING

Bursaries are provided annually by the Montreal General Hospital to graduate nurses for study to prepare them for administrative and teaching positions.

6. ROYAL VICTORIA HOSPITAL SCHOOL OF NURSING

(*a*) The *Mabel F. Hersey Scholarship* is given annually by the Board of Governors for a year of postgraduate study at the School for Graduate Nurses, McGill University.

(*b*) The *Emma Thomas Scholarship* is offered annually for postgraduate study.

(*c*) The *Ida McGregor Scholarship* is offered annually for postgraduate study.

7. VICTORIAN ORDER OF NURSES FOR CANADA

The Victorian Order of Nurses for Canada offers bursaries of $1,000 to nurses to assist them in taking preparation in Public Health Nursing. Following their course, the recipients are obligated to work one year for the Victorian Order in the area where their services are most urgently needed. Bursaries are also available to students in the final year of a basic degree course which includes preparation in public health nursing.

8. QUEEN ELIZABETH HOSPITAL

The *Martha Warren Scholarship* of $500.00 may be given, all or in part, to any Alumnae member, or members, who wish financial help for post-graduate study. Applications for this scholarship must be in on or before April 25th of each year. The nurse accepting this scholarship is expected to work in the Queen Elizabeth Hospital for one year following completion of her course provided there is a position open in her field of study.

9. REDDY MEMORIAL HOSPITAL

The Board of Directors offers a bursary to assist with a year's study at the School for Graduate Nurses. Only graduates of the School of Nursing or Staff Nurses of the Hospital are eligible. They should apply to the Director of Nursing.

10. GOVERNMENT BURSARIES

A limited number of bursaries are given by the Province of Quebec to nurses who wish to remain in the province, and who have been accepted for admission to the School. Application for a bursary may be made through the School. Applications for bursaries are considered each year at the end of March.

W. K. KELLOGG FOUNDATION LOAN FUND

Through the generosity of the Foundation, this fund has been established to assist graduate nurses who have unexpected expenses while registered in courses at the School. For further particulars applicants should consult the Director of the School for Graduate Nurses.

PROGRAMMES OF STUDY FOR GRADUATE NURSES

LEADING TO A DIPLOMA

All students in the First year are required to take the prescribed core courses which are fundamental to all areas of nursing. In addition, students select courses which fulfil the requirements of their major field of interest. Upon the completion of one year of study students are granted a diploma.

LEADING TO THE DEGREE OF BACHELOR OF NURSING

Students who have met the requirements for the diploma may proceed with the Second year of the degree programme, providing such students have McGill Senior Matriculation standing or its equivalent.

FIELD EXPERIENCE

FIRST YEAR

Concurrent field experience forms part of a number of courses. In addition, the months of September and May are devoted to field experience.

Field Experience in Public Health Nursing: The normal requirement for students without previous public health experience is eight weeks. This requirement is adjusted to meet individual needs, and students are not expected to repeat experience which has been gained under adequate supervision. Ordinarily there are two weeks during September and six weeks following the examinations in the spring.

Field Experience in Teaching and Supervision in Schools of Nursing: Students enrolled in this programme will have six weeks of field experience: two weeks in September and four weeks following examinations in the spring.

SECOND YEAR

All students in the Second year are expected to complete two months of field experience during May and June.

FIRST YEAR

CORE COURSES (REQUIRED OF ALL STUDENTS IN THE FIRST YEAR)

SOCIOLOGY 210

PSYCHOLOGY 21

NG-11 COMMUNITY ORGANIZATION

NC-11 PRINCIPLES OF LEARNING AND METHODS OF TEACHING

NC-12 NUTRITION

NC-13 HUMAN GROWTH AND DEVELOPMENT

COURSES IN FIELD OF SPECIALIZATION

Basic Sciences and Clinical Teaching

NA-11 WARD MANAGEMENT AND SUPERVISION

Two full courses from those listed below. (Students in the degree programme preparing to teach the basic sciences do not take NA-11 and are required to take two sciences. Students in the clinical fields select a clinical course and one additional course. All students entering with Junior Matriculation are strongly advised to select English):

NS-12 Medical-Surgical Nursing

NS-14 Psychiatric Nursing

NS-16 Maternal and Child Health (Students do major work in either Obstetric or Paediatric Nursing)

Physics 11, Chemistry 11, Biology 100

Chemistry 22a (for students with Senior Matriculation standing in Chemistry)

English, History, Philosophy

(*See Announcement of Faculty of Arts and Science.*)

Public Health Nursing

NS-11 PUBLIC HEALTH NURSING

NC-14 PUBLIC HEALTH PRACTICE

One full course from those listed below:

Science

English

History

Philosophy

(*See Announcement of Faculty of Arts and Science.*)

SECOND YEAR

Nursing Education (Advanced), and Administration in Hospitals and Schools of Nursing.

CORE COURSES: (REQUIRED OF ALL STUDENTS REGISTERED IN TEACHING IN SCHOOLS OF NURSING AND ADMINISTRATION IN HOSPITALS AND SCHOOLS OF NURSING)

SOCIOLOGY 301, 302 or 303
POLITICAL SCIENCE 212
NC-25 PHILOSOPHY OF EDUCATION
INDUSTRIAL RELATIONS 441
NC-23 INTRODUCTION TO STATISTICS
NC-28 EPIDEMIOLOGY

COURSES IN FIELD OF SPECIALIZATION

Basic Sciences and Clinical Teaching

NE-21 CURRICULUM IN SCHOOLS OF NURSING

One full course from the following:

Physiology 22 (See prerequisite)
Sociology
Economics
English
History
Philosophy
Modern Language
(*See Announcement of Faculty of Arts and Science.*)

NG-21 STUDIES AND PROJECTS IN THE FIELD OF SPECIALIZATION:

Teaching the Sciences,
Medical-Surgical Nursing,
Maternal and Child Health,
Psychiatric Nursing
(Field work necessary for the study in addition)

Administration in Hospitals and Schools of Nursing

NA-24 ADMINISTRATION IN HOSPITALS AND SCHOOLS OF NURSING

NC-27 HOSPITAL ADMINISTRATION

One full course from the following:

Physiology 22 (See prerequisite)
Sociology
Economics
English
History
Philosophy
Modern Language
(*See Announcement of the Faculty of Arts and Science.*)

NG-21 STUDIES AND PROJECTS IN THE FIELD OF SPECIALIZATION:

Administration of Hospital Nursing Service *or*
Administration in Schools of Nursing
(Fieldwork necessary for the study in addition)

SECOND YEAR

Public Health Nursing (Advanced)—Administration and Supervision in Public Health Nursing.

CORE COURSES: (REQUIRED OF ALL STUDENTS REGISTERED IN ADVANCED WORK IN PUBLIC HEALTH NURSING)

SOCIOLOGY 301, 302 or 303

POLITICAL SCIENCE 212

NC-25 PHILOSOPHY OF EDUCATION

INDUSTRIAL RELATIONS 441

NC-23 INTRODUCTION TO STATISTICS

NC-28 EPIDEMIOLOGY

COURSES IN FIELD OF SPECIALIZATION

Administration and Supervision in Public Health Nursing

NA-21 ADMINISTRATION AND SUPERVISION IN PUBLIC HEALTH NURSING

One full course from the following:

Physiology 22 (See prerequisite)
Sociology
English
History
Philosophy
Modern Language
(*See Announcement of the Faculty of Arts and Science.*)

NG-21 STUDIES AND PROJECTS IN PUBLIC HEALTH NURSING
(Fieldwork necessary for the study in addition)

DESCRIPTION OF COURSES FOR GRADUATE NURSES

NURSING — GENERAL

NG-11 COMMUNITY ORGANIZATION

An analysis of changing patterns of home and community life and factors responsible for these changes; current health problems arising from social changes; progress in medicine and trends in nursing to meet community needs.

One hour, two terms. *Professor Chittick*

NG-21 STUDIES AND PROJECTS IN THE FIELD OF SPECIALIZATION

In this course students make a study of a selected problem in nursing using simple research methods. Each student is expected to choose a problem for study which will be of interest and help in her special field of nursing. The course is conducted as a seminar with class discussions and individual conferences.

One and one-half hours, two terms. *Members of Staff*

(Fieldwork necessary for the study in addition.)

NURSING — EDUCATION

NE-21 THE CURRICULUM IN SCHOOLS OF NURSING

This course is designed to develop an understanding of the factors which affect the curriculum in schools of nursing and the issues involved. The content includes the application of the principles of curriculum construction to the school of nursing curriculum—philosophy, purpose and aims of the school, formulation of objectives, selection, organization, and evaluation of learning experiences, methods of teaching, supervision, and guidance of students.

Two hours, two terms. *Professor Allen*

NURSING — ADMINISTRATION

NA-11 WARD MANAGEMENT AND SUPERVISION

A study of administrative planning for the hospital ward as the unit of hospital administration, plans for patient care, controlling the environment, supplies and equipment, personnel, ward teaching as part of the

administrative plan, the function of the ward in the educational programme of the student nurse; the principles of supervision applied to nursing education and nursing service in establishing a supervisory programme.

Three hours, second term. *Professor Gemeroy*

NA-24 ADMINISTRATION IN HOSPITALS AND SCHOOLS OF NURSING

The scope and principles of administration, staffing and supervisory problems, orientation of personnel, in-service education, the organization of the school of nursing, recruitment and selection of students, school publicity, curriculum planning, housing of students, budgeting.

Two hours, two terms. *Professor Chittick and special lecturers*

NA-21 ADMINISTRATION AND SUPERVISION IN PUBLIC HEALTH NURSING

Principles of administration and supervision are applied to the field of public health nursing in studying official and voluntary health services. This course includes the planning and evaluation of services, methods of organization and financing, personnel management, human relationships, and supervisory functions with emphasis on staff and student education.

Two hours, two terms. *Professor Macdonald*

(Concurrent field experience in addition.)

NURSING — SPECIALTIES

During the fall term all students in the first year participate in a course entitled General Nursing which is closely linked with the September field experience and is designed to assist students to identify the elements fundamental to all nursing, and so to broaden their understanding of the comprehensive nature of nursing. The course consists of presentations by staff members and special lecturers followed by group discussions and conferences. The hours devoted to this course constitute part of the time allocated to public health nursing and to the various clinical specialties.

NS-11 PUBLIC HEALTH NURSING

An introduction to the principles and methods of public health nursing practice; application of principles and methods in the development of maternal, infant, pre-school, school, industrial, and morbidity nursing services; the staff nurse in relation to administration and supervision.

Three hours; two terms *Professor Macdonald*

(Concurrent field experience in addition.)

NS-12 MEDICAL-SURGICAL NURSING

The course aims to develop a deep appreciation of the individual as a patient, the factors which affect his illness and recovery, and the effect of illness upon his family and the community. The content includes a study of the processes which assist in the maintenance of health, common deviations and the body's general reactions to these deviations. The course stresses the implications for nursing in the care of the general medical and surgical patient and the special needs as determined by his condition. Learning experiences are provided in the care of medical-surgical patients, teaching of medical-surgical nursing and related subjects, and in the supervision and guidance of students.

Three hours, two terms.

Professor Allen, Miss F. Devaney, Miss D. Rowles and special lecturers

(Concurrent field experience in addition.)

NS-14 MENTAL HEALTH AND PSYCHIATRIC NURSING

This course is planned for students who are interested in psychiatric nursing in general hospitals or in mental hospitals and for those who wish to increase their awareness of the mental health aspects of all nursing. The first term is devoted to the study of mental health concepts and the second term to present psychiatric thought and practice. Group discussions emphasize the role of the nurse and of nursing, and field experiences provide opportunity for application of this learning.

Three hours, two terms. *Professor Gemeroy and special lecturers*

(Concurrent field experience in addition.)

NS-16 MATERNAL AND CHILD HEALTH NURSING

This course is planned for students who are interested in Obstetric or Paediatric Nursing. The first term is devoted to the study of the normal maternity cycle, the newborn, and growth and development of the child through adolescence. Time is spent in community agencies such as antenatal clinics, nursery schools, schools, and community centres. During the second term, students have an opportunity to apply their knowledge to the study of nursing methods and teaching in either Obstetric or Pediatric Nursing. The course includes lectures, conferences and clinics conducted by specialists in various fields.

Three hours, two terms.

Professor Logan, Miss E. Worthy and special lecturers

(Concurrent field experience in addition.)

NURSING — COGNATE COURSES

NC-11 PRINCIPLES OF LEARNING AND METHODS OF TEACHING

A study of how we learn and an analysis of those methods of teaching that facilitate learning. General principles of curriculum planning.

Two hours, first term. *Professor Nix*

NC-12 NUTRITION

Recent advances in the field of nutrition; prevalence, causes, and prevention of malnutrition; current health problems involving nutrition.

One hour, first term. *Professor Bain*

NC-13 HUMAN GROWTH AND DEVELOPMENT

The course covers growth from the pre-natal stage to maturity and old age. The lectures concentrate on child development and emphasize the influence of such aspects of development as maturation, perception, emotional development, intelligence and socialization. During the second term considerable attention is given to mental health.

Two hours, two terms. *Dr. Stern*
Professor MacLeod

NC-14 PUBLIC HEALTH PRACTICE

The development and present status of public health in Canada and other countries; policy and function of national, provincial, and local health departments; role of the voluntary agency, legislation affecting health; vital statistics; epidemiology; planning community health programmes, rural and urban; maternal, infant, pre-school, and industrial health services, evaluation of health services.

Two hours, two terms. *Professor MacMillan*

NC-23 INTRODUCTION TO STATISTICS

This course is designed to develop an understanding of statistical methods and their application in nursing. The content presented includes: value and uses of statistical data; collection and tabulation of data; analysis of data using measures of central tendency, variability and reliability; presentation of data in text, tables and graphs, and the interpretation of data.

Two hours, first term. *Mr. Bryden and Staff*

NC-25 PHILOSOPHY OF EDUCATION

An introduction to the basic subject matter of educational philosophy; an historical analysis and interpretation of the more important elements in modern education derived from surveying the history of education; a study of critical issues in contemporary education.

Two hours, first term. *Professor Nix*

NC-27 HOSPITAL ADMINISTRATION

Principles of organization and administration applied to the hospital; committees, finance, purchasing, maintenance, housekeeping, personnel, medical and nursing services; administration of departments, health service, the school of nursing in the hospital.

Two hours, second term *Dr. Turner*
Mr. Westbury

NC-28 EPIDEMIOLOGY

The course covers the growth of epidemiology from a purely descriptive to an experimental science. The technique of epidemiological investigation is discussed. The place of epidemiology in the understanding of both infectious and non-infectious diseases is stressed, as well as the contribution the epidemiological approach can make to the appreciation of other problems affecting the health and well-being of the community.

Two hours, second term. *Professor Fleming*

COURSES GIVEN IN OTHER FACULTIES

Students have an opportunity to select courses from those offered in the Faculty of Arts and Science as outlined in the various programmes. (See pages 3218, 3219, 3220.)

PROGRAMME OF STUDY IN BASIC NURSING

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN NURSING

This programme combines general education at university level with the knowledge and skills essential to the practice of nursing. It is designed to make the best use of scientific and cultural courses to enrich the knowledge and develop the skills of young women interested in making an outstanding contribution in the field of nursing.

During the First year students complete the requirements of the First year of the B.Sc. course in the Faculty of Arts and Science, and, in addition, are introduced to the profession of nursing through a course of nine weeks which begins at the end of July. In the four subsequent years the programme combines both academic and professional courses with selected clinical experience in the McGill teaching hospitals and in public health agencies in Montreal. Additional hospital and public health experience is obtained during the summer months with the exception of one vacation month each year. Throughout the course the aim is to give the student breadth of understanding as a basis for sound nursing practice.

The programme meets the requirements for registration under the Quebec Nurses' Act. To obtain a licence to practise nursing on completion of the programme, students must provide legal evidence of their date of birth on entering the *first* nursing course.

First year

English 100 and 100C
Mathematics 111
Chemistry 11
Physics 11
Biology 100

Summer Session:
Nursing 1a—9 weeks nursing practice in hospital.

Second year

Anatomy 2
Physiology 22
Chemistry 22a
Psychology 21
Nutrition II
Nursing Ib and IIa

Summer Session:
Nursing IIb—4 months nursing practice in hospital.

Third year

English (selected course)
Sociology 210
Psychology 33
Nutrition III
Bacteriology 31
Nursing IIc
Nursing IIIa

Summer Session:
Nursing IIIb—4 months nursing practice in hospital

Fourth year

Sociology 301, 302 or 303
History 100 *or* Economics 100 *or* a Modern Language
Nursing IVa—Nursing practice in hospital

Summer Session:
Nursing IVb and V—4 months nursing practice in hospital.

Fifth year

Social Psychology 42
Elective from Faculty of Arts and Science
Nursing VI—Nursing practice in the community
Nursing VII—Nursing practice in hospital.
Nursing VIII

Note: At the end of the first academic year students will have three months vacation before returning to take Nursing Ia. One month's holiday will follow each of the succeeding summer sessions.

DESCRIPTION OF COURSES IN BASIC NURSING

NURSING Ia and b—INTRODUCTION TO NURSING. This course is designed to introduce the student to the broad field of nursing and to the idea of the comprehensive nature of nursing care both within the hospital and in the community. Through individual and group discussion, demonstration and practice, she is assisted to care for the less acutely-ill patient and to

develop some basic nursing skills. During observations in the community, emphasis is placed on the health needs of the individual, the factors influencing these needs and the resources available for meeting them.

(a) 10 hours class and 20 hours guided practice; 9 weeks, first summer.

(b) 1½ hours class and 2 hours guided practice; Second year, first term.

Professor Allen, Miss Devaney and Miss Rowles

NURSING IIa, b and c—GENERAL NURSING. A study of the body's general reactions in disease and the principles underlying diagnosis and treatment. Within the total treatment plan the student begins to identify the role of nursing and with guidance to plan and provide for the nursing care of the acutely-ill patient. She gains experience in those departments involved in the care of the acutely-ill person and visits some of the agencies for rehabilitation in the community.

(a) 4 hours class, Second year, second term.

(b) 10 hours class, 25 hours guided practice per week (13 weeks); 40 hours practice per week (4 weeks); second summer.

(c) 2 hours class, 2 hours guided practice; Third year, first term.

Professor Allen, Miss Devaney and Miss Rowles

NURSING IIIa and b—MATERNAL AND CHILD HEALTH NURSING. The student cares for patients during pregnancy and the puerperium, in infancy and childhood. Emphasis is placed upon the family unit in planning for and promoting care. Experience is planned in the hospital wards and outpatient departments, and in the home.

(a) 1 hour class, 2 hours guided practice; Third year, second term.

(b) 10 hours class, 20 hours guided practice per week (13 weeks); 40 hours practice per week (4 weeks); third summer.

Professor Logan and Miss E. Worthy

NURSING IVa and b—MEDICAL-SURGICAL SPECIALTIES. This course is designed to guide the student as she becomes involved in more complex nursing situations resulting from responsibility for the care of a greater number of patients. The student meets with nursing problems such as are found in the care of the patient at night, the long-term patient and patients with special medical-surgical conditions.

(a) 6 hours class, 20 hours guided practice; Fourth year, two terms.

(b) 6 hours class, 28 hours guided practice per week (4 weeks); fourth summer.

Professor Allen, Miss Devaney and Miss Rowles

NURSING V—PSYCHIATRIC NURSING. A study of present psychiatric thought and practice through lectures, inter-disciplinary conferences and discussions. The development of interpersonal and group skills as therapeutic measures is emphasized during the care of patients with varying degrees and kinds of behavior disorder. Experience is planned in the community, the general hospital and the mental hospital.

12 hours class, 20 hours guided practice per week (9 weeks);

40 hours practice per week (4 weeks); fourth summer.

Professor Gemeroy

NURSING VI—NURSING IN THE COMMUNITY. This course is designed to enable the student to develop increased understanding of relationships between social characteristics and patterns of health and disease and of the organization of services to meet the health needs of the individual, the family and the community. Students have supervised practice in voluntary and official health agencies.

5 hours class, 20 hours guided practice; Fifth year, first term.

Professor Macdonald

NURSING VII—WARD MANAGEMENT AND TEACHING. Study of the various aspects of ward management and clinical instruction with an opportunity to assume some responsibility for the management of a hospital ward.

3 hours class, 20 hours guided practice; Fifth year, second term.

Professor Logan

NURSING VIII—NURSING IN TODAY'S SOCIETY. In this course students study the profession of nursing in society today, and become familiar with current problems in nursing service and in nursing education. The course is conducted as a seminar with students participating in conferences, discussions and group projects.

2 hours, Fifth year, second term. *Professor Chittick*

ANATOMY 2—SYSTEMATIC ANATOMY (given in the Faculty of Medicine). Lectures and demonstrations designed to provide a knowledge of the anatomical structure of the vital organs by systems.

2 hours class, 2 hours laboratory, two terms.

Dr. B. Percy

BACTERIOLOGY 31—ELEMENTARY BACTERIOLOGY AND IMMUNOLOGY (given in the Faculty of Arts and Science).

This course deals with the fundamentals of immunology and of bacterial cytology, physiology and classification. The application of bacteriology in industry, agriculture, medicine and public health are discussed. The laboratory work provides practical experience in the cultivation and

isolation of bacteria and demonstrates their diverse activities.

2 hours class, 5 hours laboratory, two terms.

Professor G. Girvin-Robertson and Dr. B. H. Matheson

NUTRITION II (given in the Department of Health and Social Medicine).

A study of the nutritional requirements of the body in health and how they are met through proper food selection and preparation; the influence of social, economic and emotional factors in determining eating habits; the application of the principles of nutrition in meeting the needs of various family members; the nurse's role in nutrition education.

2 hours, one term.

Professor Bain

NUTRITION III (integrated with nursing courses)

A study of nutritional requirements during the medical and surgical phases of illness and rehabilitation. Modifications of the normal diet for specific disease conditions. Instructing the patient and adapting the therapeutic diet to the patient's needs.

Lectures, laboratory and guided clinical experience.

For other courses see Calendar for Faculty of Arts and Science.

McGill University

Montreal

School of
Social Work
1920-1960

McGill University

Montreal

School of Social Work

1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:—

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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School of Social Work

CALENDAR FOR 1959 - 1960

1959

September 16th, Wednesday. Registration of Second year students (9:00-12:00) and all part-time students (1:00-4:00).

September 17th, Thursday. Registration of First year students.

September 18th, Friday. General Assembly and Reception all students.

September 21st, Monday. Instruction begins.

October 6th, Tuesday. Fall Convocation.

December 22nd, Tuesday. First term ends.

1960

January 5th, Tuesday, to January 7th, Thursday. Examinations.

January 8th, Friday. Second term begins.

February 19th, Friday, and February 20th, Saturday. Mid-term weekend holiday (to be confirmed.)

April 14th, Thursday. Last day of lectures.

April 15th, Friday, to April 18th, Monday. Easter Vacation.

April 20th, Wednesday, to April 22nd, Friday. Examinations.

April 21st, Thurday. Last day for filing M.S.W. theses for Spring Convocation.

April 26th, Tuesday. Full-time field work (1st year) and full-time research and special programme (2nd year) begin.

May 27th, Friday. Convocation.

June 3rd, Friday. Second term ends.

August 23rd, Tuesday. Last day for filing M.S.W. theses for Fall Convocation.

Social Work

The School of Social Work is under the administrative jurisdiction of the Faculty of Arts and Science.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, B.Sc., M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

H. N. Fieldhouse, M.A., F.R.S.C. — *Dean of McGill College (Faculty of Arts and Science)*

John J. O. Moore, M.A., Ed.D. — *Director of the School of Social Work*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

SCHOOL OF SOCIAL WORK OFFICE

3600 University Street

Montreal 2, P.Q.

Telephone—VI. 9-9181

STAFF OF THE SCHOOL OF SOCIAL WORK

J. O. W. Brabander, M.D., C.M. *Lecturer in Medicine*

Shirley Braverman, B.A., M.S.W., McGill University School of Social Work *Supervisor of Field Work Unit*

Jeannine Fillion, B.A., Diploma in Social Work, University of Montreal, M.S.W., McGill University School of Social Work *Supervisor of Field Work Unit*

Dorothy Freeman, B.A., Diploma, McGill School for Social Workers *Associate Professor of Social Work, Psychiatric Social Work*

Cuthbert G. Gifford, D.F.C., B.A., M.S.W., University of Pittsburgh, School of Social Work *Associate Professor of Social Work, Group Work*

Margaret Griffiths, B.A., Diploma, School of Social Work, University of Toronto, M.A., School of Social Service Administration, University of Chicago *Associate Professor of Social Work, Child Welfare*

H. David Kirk, M.A., Ph.D., Cornell University. (On leave of absence, 1959-60) *Associate Professor of Social Work, Research and Human Behaviour*

Heinz E. Lehmann, M.D.(Berlin) *Associate Professor of Psychiatry*

J. B. Lightman, B.A., LL.B., M.S.S., University of State of New York *Associate Professor of Social Work, Public Welfare*

Alastair W. MacLeod, B.Sc., M.B., Ch.B., D.P.H., M.R.C.P. *Assistant Professor of Psychiatry*

Margaret I. Millar, B.A., M.S.W., University of British Columbia School of Social Work *Supervisor of Field Work Unit*

John J. O. Moore, B.A., M.A.(Soc. Wk.), University of Denver, Ed.D., Columbia University *Professor of Social Work, Community Organization. Director of the School*

Hinda Ordower, B.A., M.S.W., McGill University School of Social Work *Supervisor of Field Work Unit*

Anna Mae Pattee, B.A., Stanford University, M.S.S.W., University of Denver *Supervisor of Field Work Unit*

Faigi Podbere, B.A., B.L.S. *Librarian*

Miquel Prados Y Such, M.D.(Madrid) *Adviser for Psychiatric Sequence*

Joan Roberts, B.A., M.S.W., McGill University School of Social Work *Supervisor of Field Work Unit*

VERITY M. ROSS, M.Sc., Ph.D., McGill University
Assistant Professor of Social Work, Human Behaviour, Research and Field Instruction

ARTHUR ROTMAN, M.S.(Soc.Admin.), School of Applied Social Sciences, Western Reserve University *Special Lecturer in Group Work Skills*

MARY STEVENSON, B.A., Diploma, School of Social Work, University of Toronto, M.S.W., McGill University School of Social Work
Assistant Professor of Social Work, Family Welfare

HELEN H. TUCK, B.A., M.S.W., McGill University School of Social Work *Associate Professor of Social Work, Medical Social Work*

DAVID WEISS, B.S.S., Diploma, New York School of Social Work
Special Lecturer in Administration of Social Agencies

D. FRASER WOODHOUSE, B.Sc.(P.Ed.), M.S.W., McGill University School of Social Work *Special Lecturer in Group Work Skills*

EVA R. YOUNGE, M.A.
Associate Professor of Social Work and Director of Research

SESSIONAL SUPERVISORS IN FIELD WORK (Active 1958-1959)

MRS. FRANCES ANDERSON, M.S.S.
MISS JACQUELINE BRETON, M.S.W.
MR. STANLEY A. CLYKE, B.S.W.
MISS RHODA ENGLANDER, M.S.W.
MISS BETTY FOLLIOTT, M.S.W.
MR. JOSEPH FRIEDMAN, B.S.W.
MRS. M. JEAN HENSHAW, B.A., Dipl.Soc.Wk.
MRS. DOROTHY HORN, M.S.W.
MISS RHODA KOPSTEIN, B.S.W.
MISS BERNADETTE LAROCHE, M.S.W.
MISS THERESE LAVOIE, M.S.S.
MRS. ETHEL LEIGH, B.A., Dipl.Soc.Wk.
MISS MARY M. MACLEAN, M.S.W.
MISS PATRICIA MORRISON, M.S.W.
MR. HENRY M. ROSENTHAL, B.S.W.
MRS. RITA SAMUEL, M.S.W.
MRS. DOROTHY SIROTA, Dipl.Soc.Wk.
MRS. SHIRLEY STEELE, M.S.W.
MR. E. WEINER, M.S.W.
MR. D. FRASER WOODHOUSE, M.S.W.

CENTRES FOR FIELD INSTRUCTION

MONTREAL

Allan Memorial Institute of Psychiatry of the Royal Victoria Hospital: Director, Dr. D. Ewen Cameron

Baron de Hirsch Institute, Family Welfare Department: Executive Director, David Weiss

B'Nai B'Rith Youth Organization: Director, Miss Rhoda Englander

Boys' Clubs of Canada: Executive Director, Vernon F. McAdam

Boys' Farm and Training School: Executive Director, W. F. Shepherd

Children's Service Centre: Executive Director, Mrs. Muriel B. McCrea

Department of Veterans' Affairs, Social Service Division: District Supervisor, Mrs. Gladys Fulford
Ste. Anne's Hospital, Medical Social Service Department: Director, Miss Mary M. MacLean

Family Welfare Association: General Secretary, Miss Elinor G. Barnstead

Federation of Jewish Community Services: Executive Director, Arthur S. Rosichan

Girls' Cottage School: Executive Director, Miss E. M. Hickey

Jewish Child Welfare Bureau: Executive Director, David Weiss

Jewish General Hospital, Social Service Department: Director, Mrs. Dorothy Horn

Jewish Immigrant Aid Society: Director of Social Services, Joseph Kage

John Howard Society: Executive Director, Mrs. Kathleen Campbell

McGill University, School of Architecture: Chairman, Committee on Physical Planning, Professor H. Spence-Sales

Mental Hygiene Institute: Director, Dr. Baruch Silverman

Montreal Boys' Association: Executive Director, C. A. Wylie

Montreal Children's Hospital, Social Service Department: Director Mrs. Christina G. James

MONTREAL COUNCIL OF SOCIAL AGENCIES: Executive Director, Charles H. Young

MONTREAL GENERAL HOSPITAL, Social Service Department: Director, Miss Jessie M. Lawrence

MONTREAL NEUROLOGICAL INSTITUTE, Social Service Department

NEGRO COMMUNITY CENTRE: Executive Director, S. A. Clyke

NEIGHBOURHOOD HOUSE: Executive Director, E. Weiner

N.D.G. COMMUNITY COUNCIL: President, Gordon MacDonald

OCCUPATIONAL THERAPY AND REHABILITATION CENTRE: Executive Director, Miss Constance Lethbridge

PROTESTANT SCHOOL BOARD OF GREATER MONTREAL, SCHOOL SOCIAL WORK DEPARTMENT: Chief School Social Worker, B. H. Brown

ROYAL VICTORIA HOSPITAL, Social Service Department

ST. ANDREW'S YOUTH CENTRE: Executive Director, Mrs. Sigrid Day

ST. LAURENT NEIGHBOURHOOD ASSOCIATION, INC.: Executive Secretary, Miss A. I. Vail

TRAVELLERS' AID SOCIETY: Executive Director, Mrs. M. Jean Henshaw

UNIVERSITY SETTLEMENT: Executive Director, Howard R. McCartney

VERDUN PROTESTANT HOSPITAL, SOCIAL SERVICE DEPARTMENT: Director, Miss Lois A. E. Naylor

YOUNG MEN'S AND YOUNG WOMEN'S HEBREW ASSOCIATION: Executive Director, Harvey Golden

YOUNG WOMEN'S CHRISTIAN ASSOCIATION: Director, Miss Delight M. Lynn

OTTAWA

CHILDREN'S AID SOCIETY: Executive Director, Clarence Halliday

School of Social Work

GENERAL INFORMATION

The McGill University School of Social Work offers a full two-year course of graduate professional education for social work. McGill University is organized by Faculties, with the School of Social Work administered under the Faculty of Arts and Science.

In 1918, McGill University founded a School for Social Workers which was discontinued in 1932. In 1933, with the approval and cooperation of the University, an independent school, offering a two-year course to university graduates and known as the Montreal School of Social Work, was established. In October 1945, the University resumed the function of social work education and, by agreement with its Board of Trustees, the Montreal School of Social Work became the McGill University School of Social Work. The final step in integrating the School into McGill University was taken in 1950, since which time the University has assumed complete responsibility for it. The School is a fully accredited member of the Council on Social Work Education, this organization having supplanted the American Association of Schools of Social Work, of which the School became a member in 1939. Through its membership in this and other national and international organizations, the School is in close touch with significant developments in social work education on the North American continent, and throughout the world.

PURPOSE

The purpose of the School is to provide qualified men and women with the preparation necessary for successful practice in all branches of professional social work. This education is offered on a graduate level, in a curriculum of courses, supervised practice, and research, planned in accordance with the general policies and standards of the Council on Social Work Education. This is a general basic two-year course of training.

THE PROFESSION OF SOCIAL WORK

During the past few decades the services of trained social workers have been increasingly sought by both public and private social welfare agencies. The supply of such workers has never kept pace with the demand and the present shortage is gravely acute. Urgent requests for graduates to fill responsible and well-paid positions are received almost daily. It is obvious that the development of social security programmes and welfare schemes of many kinds, both at home and on the international level, will afford opportunities for satisfying and useful careers to men and women who equip themselves in a school of social work to render services which fall within the following general groupings:

Social Case Work, involving direct service to individuals and families with four main subdivisions: Family Social Work, Child Welfare, Medical Social Work, and Psychiatric Social Work.

Social Group Work, designed to provide individuals with socialized experience through group activities carried on in recreation centres, social settlements, camps, community centres, hospitals, and institutions.

Community Organization, concerned with the planning, organization, and development of the community to meet changing community situations and needs.

Public Welfare, concerned with social services under public auspices, the particular relationship they provide with the clientele, their administration, and their planning.

Social Administration, dealing with the administration and planning phases of social work, including supervision of other workers, teaching, and consultant services.

Research in Social Work, which, in addition to the type of research common to all social sciences, is specifically addressed to programmes, techniques, cost, efficiency, and social significance of the work of social agencies under public and private auspices.

Graduates of the School are to be found in responsible positions in the numerous private social agencies in the cities and rural areas of Canada, and in foreign countries, as well as in the public welfare services, federal, provincial, and municipal. Increased recognition of the value of professionally trained personnel and improved salaries for all classes of social work positions in recent years indicate that well qualified graduates can look forward to fairly rapid advancement and reasonable remuneration.

RESOURCES AND EQUIPMENT

The School is an integral part of McGill University and its students are able to participate fully in the varied life of a great university. Its affiliation with the Faculty of Arts and Science assures close liaison with the Faculty's resources, particularly in the social and biological sciences. In several related fields of professional study—particularly law, medicine, and psychiatry—a rich university tradition of scholarship and achievement is available to it. It has its own building providing classroom accommodation, students' common room, and a compact up-to-date social work library to which new books, documents, and pamphlets are added continually. Students may also use the Redpath Library, the Medical Library, and special libraries in the School of Commerce, the Faculty of Law, and the Mental Hygiene Institute.

Montreal, the largest and most cosmopolitan city of Canada, affords varied community resources in both the public and private social services. A bilingual community, and the main port of entry for immigrants, it affords unique opportunities for study of social problems. The well known teaching hospitals of the city offer unexcelled opportunities for medical and psychiatric social work training. Four Financial Federations and two Councils of Social Agencies afford a fertile field for the study of community organization. Private family, child welfare, and group work agencies are well organized and offer diversified field experience. Federal and Provincial Government local administrative offices, such as the National Employment Service, Unemployment Insurance Commission, Workmen's Compensation Board, Old Age Pensions Board, Mothers' Allowance Commission, etc., are available for study.

DEGREES

The degree of Master of Social Work (M.S.W.) is awarded to students who complete the two-year graduate course in accordance with the regulations of the Faculty of Arts and Science.

ADMISSION REQUIREMENTS

1. DEGREE STUDENTS

Full-time (General)
Part-time (Limited Degree)

Work for the degree may be undertaken on either a full-time or part-time basis, but all requirements for the M.S.W. degree must be fulfilled within a six-year period, and no student may qualify for the degree without a session of resident study, in which he fulfills approximately two thirds of a full-time programme.

Applicants must meet the following requirements:

(a) Graduation with a bachelor's degree from a university or college of recognized standing. Applicants should have completed, with superior standing, an undergraduate course providing a broad liberal education, with a substantial core in the social sciences, particularly sociology, psychology, economics, and political science.

A course in elementary statistics is required prior to admission. Students who enter without statistics shall take such a course without credit, either in the School of Social Work or elsewhere prior to entering their second year.

Students holding a bachelor's degree may be advised on admission to undertake some supplementary basic preparation, either prior to admission or between sessions.

(b) Good health as certified by a physician.

(c) Personal qualifications which in the opinion of the School appear to warrant expectation of success in social work.

(d) Age between 21 and 35 years except in special circumstances.

2. SPECIAL STUDENTS

Full-time (General)

Part-time (Partial)

A limited number of mature persons who are not university graduates, but whose general background and experience in social work suggest ability to profit by work in the School, may be accepted as special students at the discretion of the Committee on Standings. Such students may be required to register in certain undergraduate courses of the Faculty of Arts and Science. A statement of standing for courses taken under examination may be obtained on request, but credit is not given towards a degree.

3. QUALIFYING STUDENTS

Full-time (General)

Part-time (Limited)

Those students who have (a) qualifications for becoming degree students, but who have not yet been accepted for degree status; or (b) those students who are not qualified for degree status, but who are in process of becoming qualified through meeting specified requirements.

ADVANCED STANDING

Courses: Students desiring to secure credit towards a degree for courses taken in other universities or schools of social work must submit official records with any applications for such credit. Each case will be dealt with on its merits.

Field Work: In most of these cases students may be given credit for field work undertaken prior to registration in the School. The amount of such credit will be determined after the School has had an opportunity of observing the student's performance in the field.

Decisions involving questions of advanced standing will be made by the Committee on Standings.

APPLICATION AND REGISTRATION

Prospective students wishing information about the profession, or about prerequisites, should communicate with the School, where a preliminary interview will be arranged.

Application for admission must be made in advance of registration. Since enrolment is limited and the admissions policy is selective, intending students are advised to apply by *April 1st* in the year during which they desire to enter the School. Early applications will receive preferential consideration. A personal interview is arranged, at the School whenever possible; otherwise an applicant may be requested to interview a person designated by the School. Application forms may be obtained from the School of Social Work, McGill University. Applicants who are not McGill graduates must submit a certified copy of their academic record beyond high school. Applications must be accompanied by a physician's certification that applicant has been examined and is in good health.

Registration: Students in the School of Social Work will register at the School, 3600 University Street, as indicated in the School Announcement (page 3304). Registration begins Wednesday, September 16th.

All students are admitted on probation. A student may be asked to withdraw if careful review of his progress suggests this to be advisable.

Students taking a full programme of courses in any term usually cannot expect to do the work of the School satisfactorily unless they give their full time to it. Any plan for part-time employment must be fully discussed with the student's adviser.

PLAN OF STUDY—

REQUIREMENTS FOR THE MASTER OF SOCIAL WORK DEGREE (M.S.W.)

FIRST YEAR PROGRAMME

Basic courses in the following subjects are required of all candidates:

SOCIAL CASE WORK
SOCIAL GROUP WORK
HUMAN GROWTH AND BEHAVIOUR
COMMUNITY ORGANIZATION

THE SOCIAL SERVICES
SOCIAL RESEARCH
FIELD WORK

The programme of First year students is prescribed.

Requirements for the First year of work are:

1. Completion of the equivalent of five "full courses" in the above list.
2. Supervised field work (a) two days per week, September-April, (b) daily for six weeks following close of classes.

SECOND YEAR PROGRAMME

Admission to Second year standing will be restricted to those students who have obtained at least second class standing in the First year course or its equivalent and whose performance is satisfactory to the Committee on Standings. The pass mark in all courses will be 50 per cent in the First year and 65 per cent in the Second. Permission to write supplemental examinations or to repeat courses will be granted only when the School so recommends.

Students may, staff concurring, write a thesis which must be satisfactory to internal and external examiners. Students who elect not to write a thesis shall be required to complete other research requirements and additional courses. (See Description of Courses.)

In the Second year the student may elect to broaden and deepen his general preparation for the practice of social work or to concentrate his studies, to some extent, in a particular field of his choice.

At present the School prepares students for practice in the following fields:

FAMILY CASE WORK
CHILD WELFARE
MEDICAL SOCIAL WORK
PSYCHIATRIC SOCIAL WORK
COMMUNITY ORGANIZATION
PUBLIC WELFARE
SOCIAL GROUP WORK
SOCIAL RESEARCH
SOCIAL ADMINISTRATION

Students from Other Countries

The School is especially equipped to provide training for students planning to work in countries other than Canada and the United States.

Special courses are offered for such students (see Description of Courses) and the above plan of study is appropriately modified to meet their needs.

HOUSING AND TOWN PLANNING

The plan of study may be modified in the Second year, by special arrangement, to permit students to adapt their social work training to the field of housing and town planning.

THE DEGREE REQUIREMENTS ARE:

1. Completion of the first year programme.
2 The equivalent of four additional "full courses".
3. Supervised practice.
4. A thesis or an additional "full course" to 2 above.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees if, in the opinion of the Board of Governors, circumstances so require.

(a) FULL-TIME STUDENTS

Fees for the Session, *each year:*

University Fee (including Students' Society Fee of $15.00).. $500.00

(b) PART-TIME STUDENTS

Fee for one full course (two terms)	$115.00
Fee for one half course (one term)	57.50
Student activities fee for part-time students taking less than three courses	5.00

Students working for the degree on a part-time basis will not pay more than a total of $1,175.00 for the full two-year course, except when the thesis is not completed along with course and field work requirements. Those students who have taken courses under a different fee scale will have their maximum adjusted accordingly.

Fees are due and payable at the Accounting Office immediately after registration.

When fees are paid by instalments, an instalment fee of $5.00 is charged. Special fees and penalties, and the regulations regarding payment and remission of fees, are listed in the General Information pamphlet included with this Announcement.

(c) OTHER FEES

A candidate for the Master's degree, who has completed his courses and his residence but has not completed his thesis, must pay a registration fee of $10.00 at the beginning of the session in which he intends to submit

the thesis. Any student receiving thesis supervision from a member of the staff is considered to be in residence and must register for the session and pay a fee of $50.00.

Fees herein stated do not cover expenses such as carfare to and from field work, and small miscellaneous items such as materials for group work skills.

BURSARIES AND LOANS

A number of bursaries are available for the Session 1959-60.

Substantial financial assistance may be given under the Federal-Provincial Health Grants to students meeting certain specified conditions.

Similar assistance is also available through some Provincial Governments in Canada, and State Governments in the United States. Prospective students, other than those from the Province of Quebec, interested in obtaining such financial assistance, should make inquiry through their provincial or state government. Overseas students should inquire of their governments of the availability of United Nations and Colombo Plan study grants.

A limited number of bursaries, supported by private organizations, are available.

While awards are made only to students of attainment and promise, the financial needs of applicants will receive consideration. Inquiries should be addressed to the Director.

Loans are available from the Social Work Alumni and Southam Loan Funds, from the Pi Beta Phi Loan Fund established for the use of students in financing their training or in meeting temporary or emergency needs, and from a few private welfare organizations on arrangements made by the School.

Inquiries regarding University assistance, other than here mentioned, should be made to the Registrar of McGill University.

DESCRIPTION OF COURSES

1a. SOCIAL CASE WORK I. First year (Half course). Principles and methods used in helping individuals and families meet personal and social needs through social agency resources. Significance of behaviour, evaluation of social data, process in interviewing, recording, and the professional relationship are considered. Illustrative case material and the field experience of class members will be used.

First term *Professor Stevenson*

1b. SOCIAL CASE WORK I. First year (Half course). A continuation of Course 1a above.

Second term *Professor Stevenson*

2. SOCIAL CASE WORK Ia. First year (Half course). A survey of principles and methods in social case work as a basic approach in social work. The relation of social case work to social group work. Case material is used.

For students not majoring in social case work.

Not given in 1959-60 session.

3. SOCIAL CASE WORK WITH CHILDREN. Second year (Half course). The case work process in care and protection of children. Special needs of children living with natural parents, in foster homes, and in group settings.

Not given in 1959-60 session.

4a. ADVANCED SOCIAL CASE WORK. Second year (Half Course). A discussion course in which emphasis is placed upon the application of psychiatric theory to case work practice.

Prerequisites: Courses 1a, 1b, 5a and 5b.

First term *Professors Freeman and Tuck*

4b. ADVANCED SOCIAL CASE WORK. Second year (Half course). A continuation of Course 4a above.

Second term *Professor Freeman*

5a. HUMAN GROWTH AND BEHAVIOUR. First year (Full course). The course will approach human growth and behaviour chronologically from conception to old age. Development at each stage involves consideration of the physical, socio-cultural and psychological determinants of the growth process as interacting systems. These systems are seen as they create optimal as well as deviant adaptations of behaviour.

First term. *Professors Kirk, Ross and Tuck*

5b. HUMAN GROWTH AND BEHAVIOUR. First year (Half course). A continuation of Course 5a above.

Second term *Professors Kirk, Ross and Tuck*

6. PSYCHIATRIC INFORMATION II. Second year (Half course). A discussion of clinical cases focused on the dynamics of behaviour in the neuroses and in the organic and functional psychoses. Etiological factors, examination methods, and treatment procedures. The contribution of the various schools of psychiatric thought to social work. Class work supplemented by clinical observations.

First term *Professors Lehmann and MacLeod*

7. SOCIAL GROUP WORK I. First year (Half course). A survey of principles and methods in group work as a basic approach in social work. Description and analysis of agencies and types of organizations in which group relations and group process are emphasized. The course includes the discussion of the relation of group work to other types of social work, particularly case work.

For students not majoring in group work.

Not given in 1959-60 session.

8a. SOCIAL GROUP WORK II. First year (Half course). A study of the theories and principles of group work practice. The nature of the social process in organized groups and its value to the individual; group experience at varying age levels; the use of play and other media in relation to the needs and adjustment of the individual; the role of the leader in group work. A discussion of group situations based on group records. An analysis of agencies and their programmes. The interrelation of group work and other fields of social work.

First term *Professor Gifford*

8b. SOCIAL GROUP WORK II. First year (Half course). A continuation of Course 8a above.

Second term *Professor Gifford*

9. SOCIAL GROUP WORK IIa. First year (Half course). A course required in connection with Social Group Work II planned to develop skill and understanding in the use of programme activities designed to meet the needs of individuals and ability to direct such activities to socially desirable ends. Consideration will be given to the fundamentals of music, traditional games, folk dancing, arts and crafts, and their adaptation to groups of various ages and types.

First and second terms *Mr. Woodhouse*

10a. SOCIAL GROUP WORK III. Second year (Half course). An advanced course dealing with organization and leadership of various types of groups and the relation of these groups to the agency and community. Analysis of group records; agency functions in relation to leadership for staff, volunteers, and community; administrative and advisory aspects of group work.

Prerequisites: Courses 8a, 8b, 9.

First term *Professor Gifford*

10b. SOCIAL GROUP WORK III. Second year (Half course). A continuation of Course 10a above.

Second term *Professor Gifford*

11. SOCIAL GROUP WORK IIIa. Second year (Half course). A continuation of Social Group Work IIa with additional emphasis on dramatics and music, and their use with groups of various ages and types.
First or second term
Mr. Rotman

12. COMMUNITY ORGANIZATION I. First year (Half course). A study of methods of community organization. The establishment of constructive relationships between social work organizations and other forces in the community. Discussions of relationships between public and private, local, provincial, and national social agencies. Organization and problems of councils of social agencies, financial federations, etc.
Second term
Professor Moore

13. COMMUNITY ORGANIZATION II. Second year (Half course). An advanced course in problems and techniques of community organization.
Second term

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14. ADMINISTRATION OF SOCIAL AGENCIES. Second year (Half course). The administrative process within the social agency; functions and interrelationships of board of directors, executive, and staff. Committees. Financial administration and budgeting; office management, etc.
Second term
Mr. Weiss

15. GOVERNMENT AND SOCIAL WORK. First year (Half course). The Canadian nation; land, resources, population. Economic development. Political institutions and administrative structure. Distribution of welfare functions among national, provincial, and municipal authorities. Constitutional problems and remedies proposed. Public finance and taxation.
Not given in 1959-60 session.

16a. PUBLIC WELFARE I—THE SOCIAL SERVICES. First year (Half course). A survey course, designed primarily for First year students. Historical background of modern social services both public and private. Analysis of major social problems today, and of the services developed to meet them. Examination of policies in such areas as public assistance, social insurance, child welfare, correction, medical care, and other health services Interrelationships between public and private social services. Administration framework in relationship to plans for social security.
First term
Professor Lightman

16b. PUBLIC WELFARE I—THE SOCIAL SERVICES. First year (Half course) A continuation of Course 16a above.
Second term
Professor Lightman

17. PUBLIC WELFARE II(a)—CHILD WELFARE. Second year (Half course). Historical development of child welfare services in England, United States, and Canada. Interrelationships between public and private services. Examination of existing child welfare legislation with particular reference to the care of neglected and dependent children. Problems of organization and administration.

Professor Griffiths

First term

18. PUBLIC WELFARE II(b)—SOCIAL INSURANCE. Second year (Half course). Historical background and development. Examination of social insurance systems today. Problems of administration. Relationship to public assistance and social agencies. Problems of integration with public assistance programme.

Not given in 1959-60 session.

19. PUBLIC WELFARE II(c)—PUBLIC ASSISTANCE. Second year (Half course). Examination of essentials in a modern public assistance programme. Categorical aid. Relationship to health services and to private social agencies. Problems of organization and administration. Problems of integration with social insurance.

Second term

20. PUBLIC WELFARE II(d)—PUBLIC WELFARE ORGANIZATION AND ADMINISTRATION. Second year (Half course). Examination of principles of public administration in a public welfare setting. Structure of major Canadian public welfare organizations. Problems of reorganization. Administrative process.

Not given in 1959-60 session.

22. MEDICAL INFORMATION II. First or Second year (Half course). Further consideration of the rehabilitation problems of adults and children in relation to selected disease entities.

Second term *Dr. Brabander, Professor Tuck, and medical lecturers*

23a. MEDICAL SOCIAL WORK. Second year (Half course). A course designed to meet the needs of Second year students who wish to specialize in medical social case work.

This term is devoted to a consideration of the practice of social case work in the medical setting.

Professor Tuck

First term

23b. MEDICAL SOCIAL WORK. Second year (Half course). A continuation of Course 23a above.

This term is devoted to a consideration of the organization of hospital social service departments; social implications of various administrative services within the hospital; participation of the medical social worker in medical and nursing education; function of the medical social worker in extramural programmes for health and medical care; growth and development of medical social work.

Second term

Professor Tuck

24. NUTRITION AND COST OF LIVING. Second year (Half course). Elements of nutrition. Essentials of an adequate diet with special reference to the properties of the commoner food materials and their cost. Some consideration of cost of living standards at the health and decency level.

Not given in 1959-60 session.

25. LEGAL ASPECTS OF SOCIAL WORK. Second year (Half course). The essential principles of law and their relation to problems encountered by social workers in the performance of their duties.

Not given in 1959-60 session.

26. PUBLIC RELATIONS. Second year (Half course). A study of the interpretation of social work to the public. Publicity, methods and media. The role of the volunteer. Students participate in preparation of material for newspaper publication, radio, reports, etc.

Not given in 1959-60 session.

27. HISTORY OF SOCIAL WORK. Second year (Half course). Social work seen in perspective through a study of charity, law, the industrial revolution, and subsequent nineteenth century social movements. Persons and processes active in the antecedents, origins, and development of social work are observed in relation to the social history and thought of their respective periods.

Professor Moore

28. SOCIAL RESEARCH METHODS I. First year (Half course). An introduction to the fundamental principles of research in the field of social work and allied social investigation.

Second term

Professor Younge

29. SOCIAL RESEARCH METHODS II. Second year (Half course). Elementary statistical methods as applied to social problems. The assembly of materials, selected statistical techniques, and presentation of descriptive tables and simple graphs. The interpretation of census and other official statistics relating to family living, vital statistics, and dependency problems in Canada.

Not given in 1959-60 session.

29a. SOCIAL RESEARCH METHODS III. Second year (Half course). Critical analysis of current social work research; emphasis on methodological problems; students' presentations and discussion will be used.

Prerequisite: Course 28.

For students who elect not to write a thesis.

First term — *Professor Younge*

29b. SOCIAL RESEARCH METHODS IV. Second year (Half course). Completion of a report by Second year students on a topic selected during the first term in one of the current courses; tutorial assistance by staff members with some group discussion.

Prerequisites: Courses 28 and 29a.

For students who elect not to write a thesis.

Second term — *Members of the Staff*

30. RESEARCH SEMINAR. Second year (Full course). Individual and group conferences dealing with student theses.

For students who elect to write a thesis.

First and second terms — *Professor Younge and Thesis Advisers*

31. SEMINAR IN SOCIAL WORK. Second year (Half course). A discussion course presenting typical problems encountered in various fields of social work.

To be arranged. — *Members of the Staff*

32. INTRODUCTION TO SUPERVISION (Half course). A discussion of basic concepts implicit in supervision as an administrative and teaching process. Open to students who are having or who have had experience as supervisors. — *Professor Freeman*

33. SEMINAR IN SUPERVISION (Half course). An advanced course. Supervised practice may be arranged concurrently.

Prerequisite: Course 32 or substantial supervisory experience. — *Professor Freeman*

34. INTERNATIONAL WELFARE AND COMPARATIVE SOCIAL LEGISLATION (Half course). A course designed particularly for students from countries other than Canada and the United States, covering the role and scope of international welfare organization and practice, and welfare legislation, in selected geo-social areas, and principles and practices applicable to the development and implementation of welfare legislation. — *Professor Lightman*

35. INTERNATIONAL SEMINAR IN SOCIAL WORK (Half course). A discussion course designed particularly for students from countries other than Canada and the United States, and based upon intensive study of and

reports on selected countries; with particular emphasis on identifying major social problems, understanding the social forces bearing on these problems, and considering appropriate professional approaches to aid in their solution.

Professor Lightman

36. ADVANCED INTERNATIONAL SEMINAR IN SOCIAL WORK (Half course). An extension of Course 35.

Professor Lightman

FACULTY OF GRADUATE STUDIES AND RESEARCH

Related courses in the Faculty of Graduate Studies and Research may be used, with permission, to meet the special interests of students possessing the necessary prerequisites.

EXTENSION COURSES

1959-60

B99. ADVANCED COUNSELLING (Full course). A seminar course with emphasis on marriage problems. Theoretical presentations related to students' case material. Emphasis on furthering skill in the marital diagnostic process, and on differential use of treatment methods as well as the role of the psychiatric consultant.

Prerequisites: M.S.W. degree and three to five years experience in a setting of recognized standards.

Professor Freeman and Clinicians

Other extension courses will be offered at times convenient to employed persons.

Special announcements will be made from time to time through the Department of University Extension or the School.

McGill University

Montreal

School of Physical and Occupational Therapy

Davis House

1959-1960

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
Institute of Education
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

School of Physical and Occupational Therapy

The School of Physical and Occupational Therapy is under the administrative jurisdiction of the Faculty of Medicine.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, Ph.D., D.Sc., D. de L'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

Lloyd G. Stevenson, M.D., Ph.D. — *Dean of the Faculty of Medicine*

Guy H. Fisk, B.A., M.D., C.M., D.T.M. & H. (Eng.) — *Director and Associate Professor*

Helen M. Gault, B.Sc. (P. & O.T.), T.M.M.G., T.M.E. (Eng.) — *Assistant Professor*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

A complete list of the teaching staff of the University, including the School of Physical and Occupational Therapy, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY OFFICE

DAVIS HOUSE

3654 Drummond Street,

Montreal 2

Telephone — VI 9-9181

GENERAL INFORMATION

The aim of the course in Physical and Occupational Therapy is to provide a supply of adequately trained graduates who will be qualified to work as physical and occupational therapists in hospitals, institutions, and private homes.

Physical Therapy is the use of heat, light, water, electricity, and mechanical agents, including massage and remedial gymnastics, in the treatment of injury and disease. Occupational Therapy is the specific application of activities in the treatment of injury or disease. The media used include arts, crafts, recreation, prevocational and rehabilitation training. Physical and occupational therapists are trained in the use of these healing agents under the direction of a physician, such treatments being prescribed by the physician and carried out according to prescription. There is a steadily growing demand for qualified physical and occupational therapists in both civilian life and the armed services. In the armed forces physical and occupational therapy sisters are given the same rank and commission as nurses. In civilian life they work in hospitals, industries, clinics, and in private homes, under the direction of doctors.

DEGREE COURSE - B.Sc. (PHYSICAL AND OCCUPATIONAL THERAPY)

The full curriculum consists of five academic years at the University. During these years the student will take an organized course in pure science together with professional training in Physical Therapy and Occupational Therapy. Throughout the course ample provision has been made for practical hospital instruction, in addition to the University training. This hospital training is carried out at the Montreal Children's Hospital, the Montreal General Hospital, the Royal Victoria Hospital, the Verdun Protestant Hospital, the Queen Mary Veterans' Hospital, and the Royal Edward Laurentian Hospital.

The degree student will take Anatomy as one continuation subject and at the beginning of the Fourth year will choose between Physiology or Psychology, as the second continuation subject.

Upon satisfactory completion of the entire course, a Degree will be granted by the University. The Degree offered is Bachelor of Science (Physical and Occupational Therapy), B.Sc.(P.&O.T.)

DIPLOMA COURSE IN PHYSICAL THERAPY

Students will take the same First and Second years as the Degree Course students. The Third year students will take:

ANATOMY P. 2
ELECTROTHERAPY 2 and 3
CLINICAL THERAPY 2
PHYSICAL THERAPY 2 and 3A
Hospital practice 460 hours
PHYSIOLOGY 22

DIPLOMA COURSE IN OCCUPATIONAL THERAPY

Students will take the same First and Second years as the Degree Course students. The Third year students will take:

ANATOMY P. 2
CLINICAL THERAPY 2
PHYSICAL THERAPY 3A (half course)
OCCUPATIONAL THERAPY 2A, 2B, 3A, 3BI and 3BII, 4BII
Hospital practice 460 hours
PHYSIOLOGY 22

POSTGRADUATE TRAINING

A two-year period of postgraduate study is available in either Physical or Occupational Therapy to meet the teaching requirements of the Associations.

ADMISSION

Women students only are admitted to the course.

ACADEMIC REQUIREMENTS

For admission to the First year

Junior Matriculation in the subjects required for admission to the B.Sc. course in the Faculty of Arts and Science with an average of at least 70%.

For admission to the Second year

Senior Matriculation or one year of college work with satisfactory standing in English Literature, English Composition, Mathematics (Algebra and Trigonometry), Physics, Chemistry, and Biology.

Candidates should address all applications to:

Professor Guy H. Fisk,
Director, McGill School of Physical and
Occupational Therapy,
3654 Drummond St.
Montreal 2.

The intending student should state on the application form for which year she is applying.

PHYSICAL REQUIREMENTS

Candidates, in order to qualify for admission, must pass satisfactorily a complete physical examination.

REGISTRATION

Registration will take place at Davis House for the—

1st year, Tuesday, September 15th;
2nd year, Monday, September 23rd;
3rd year, Wednesday, September 9th;
4th year, Wednesday, September 9th;
5th year, Wednesday, September 9th.

FEES

The fees are $500.00 per annum, including Students' Society fees. Fees are due and payable at the Accounting Office during the hours of 9 a.m. to 4 p.m., on Registration Days. If desired, fees may be remitted by mail on or before the due dates. They may be paid in two instalments, in which case there is a charge of $5.00. The second instalment is due on or before January 15th. When fees are paid in two instalments, half the total fee is payable with each instalment.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Director of the School a list of the registered students who have not paid their fees. The Director will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

Supplemental examination fees are $10.00 for each paper.

Penalty for late payment of fees.....$2.00

Late registration fee.....$5.00

PRIZES

The Lieutenant Governor's Gold Medal is awarded to the student with the highest standing throughout the degree course.

The Canadian Physiotherapy Association presents a Book Prize annually to the student with the highest standing in the Final year of the degree course.

The Quebec Society of Occupational Therapy Book Prize is awarded annually to the student with the highest standing in practical application of Occupational Therapy in the Third year of the Diploma course.

The Dr. F. G. Finley Book Prize is presented annually to the student with the highest standing in the Third year of the Physical Therapy Diploma course.

SCHOLARSHIPS ANNOUNCEMENT

A complete list of scholarships and bursaries and the regulations governing the various loan funds are given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

EXAMINATIONS

The pass mark in any course is 50%.

At the conclusion of each course examinations will be held and the student graded as follows:

1st class	—	80 - 100
2nd class	—	65 - 79
3rd class	—	50 - 64
Failure	—	Below 50

In reporting the grading, the names of those students who obtain First Class standing will be arranged in order of merit. In all other grades the arrangement will be alphabetical.

The quality of the English used by a candidate will be taken into account in all examinations.

All results of the examination will be released by the Director's Office after due consideration by the Faculty. No examination results will be communicated by any other channel.

A student who fails in one subject will be required to pass a supplemental examination during the following September. Written application to write a supplemental examination must be received at the Director's Office by August 1st. A fee of $10.00 for each supplemental paper is payable to the Accounting Office as soon as the application has been approved. No supplemental examination may be written more than twice.

All conditions must be removed by May in the following session. If a student fails at this time she will not be permitted to proceed further in the course.

A student who fails in more than one full course may, at the discretion of the Committee of the School of Physical and Occupational Therapy with the concurrence of the Promotion Committee of the Faculty of Medicine, be required to withdraw from the School.

A student who has been permitted to repeat a year is required to make at least a Third Class standing. If this standing is not attained the student will not be permitted to continue the course.

No year may be repeated more than once, nor may a student repeat a subsequent year. By special recommendation of the Committee of the School of Physical and Occupational Therapy, with the concurrence of the Promotion Committee of the Faculty of Medicine, a student may be permitted to carry one condition. If the student fails to remove this condition by the end of the session she will revert to the previous year.

A student, who for reasons of illness or family affliction, has been unable to write one or more sessional examinations, may receive permission to write September supplementals in their stead. Application to do so must be made to the Director before August 1st, but no fee will be charged.

The Faculty reserves the right to require the withdrawal of any student at any time if in the opinion of her instructors she is incompetent.

LICENCE TO PRACTISE

Certain provinces of the Dominion of Canada and states of the United States of America require that those intending to practise physiotherapy within their borders comply with special provincial or state licensing requirements. Intending students should therefore consult with the province or state authorities before registering.

In Canada, further details can be obtained from the Canadian Physiotherapy Association, 8 Bedford Road, Toronto 5, Ontario.

In the United States, communicate with the American Physical Therapy Association, 1790 Broadway, New York 19, N.Y.

The School of Physical and Occupational Therapy, McGill University, is registered with the University of the State of New York.

ASSOCIATION MEMBERSHIP

The Canadian Physiotherapy Association and the Canadian Association of Occupational Therapy have special postgraduate interning requirements for Diploma students.

In order to join the Canadian Physiotherapy Association graduates are required to do five months' postgraduate interning.

In order to join the Canadian Association of Occupational Therapy graduates are required to do six months' postgraduate interning.

COURSES OF INSTRUCTION

FIRST YEAR

ENGLISH 100.—LITERATURE (Fac. Arts and Sci.) (Full course).

3 hours of lectures and conferences.

ENGLISH 100C.—ELEMENTARY COMPOSITION (Fac. Arts and Sci.)

1 hour weekly throughout the session.

MATHEMATICS 111—TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Fac. Arts and Sci.) (Full Course).

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformation of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

ANALYTICAL GEOMETRY. The analytic geometry of the straight line and circle.

3 hours.

PHYSICS 11.—GENERAL COURSE (Fac. Arts and Sci.) (Full course). A general course covering the elementary portions of mechanics, sound, heat, magnetism, electricity, light, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 hours. Laboratory (11L): 2 hours.

CHEMISTRY 11.—GENERAL CHEMISTRY (Fac. Arts and Sci.) (Full course). General survey of chemical theory and of inorganic chemistry, including atomic and kinetic theories, equivalent, atomic and molecular weights, gases, liquids, solids, solutions, ionization, oxidation and reduction, velocities of reactions, chemical equilibrium, heats of reaction, electromotive series, periodic table, preparation and properties of important elements and compounds.

3 hours lectures, and 3 hours laboratory.

BIOLOGY 100.—THE HIGHER PLANTS AND ANIMALS (Full course). An introductory course in Biology, covering the higher plants and animals. The course is given in two sections. Section X considers the plants in the

first term and the animals in the second term. Section Y considers the animals in the first term and the plants in the second term.

2 hours lectures and 3 hours laboratory.

SECOND YEAR

CHEMISTRY 22.—ORGANIC CHEMISTRY (ELEMENTARY, WITHOUT LABORATORY) (Fac. Arts and Sci.) (Full course). Special characteristics of carbon and its compounds; the principles of functionality, homology, and isomerism; nomenclature, occurrence, preparation, physical and chemical properties, and uses of the more important organic compounds.

2 hours, one tutorial.

ANATOMY P. 1.—THE ANATOMY OF THE AXIAL SKELETON AND OF THE UPPER AND LOWER EXTREMITY (Fac. Medicine). A course designed to familiarize the student with the basic framework of the head, neck, and trunk, and the detailed anatomy of the arm and leg.

3 hours lecture, and 2 hours laboratory. *Professor C. P. Leblond and Staff*

PSYCHOLOGY 21.—Introduction to Psychology (Full course). A biologically oriented outline of the modern approach to psychology.

2 hours and 1 weekly conference. *Professor Hebb and Staff*

CLINICAL THERAPEUTICS 1. Elementary consideration of disease processes commonly seen in patients treated by physical and occupational therapists.

1 hour lecture. *Professor Fisk*

PSYCHIATRY 1. A course in psychiatry, with introductory lectures in normal psychology as a basis for the study of psychiatric disorders treated by physical and occupational therapists.

1 hour lecture. *Dr. F. W. Lundell*

PHYSICAL THERAPY 1.

A. A course covering the requirements of students in Physical and Occupational Therapy in body mechanics, kinesology and remedial gymnastics and their application to the more common disabilities.

2 hours lecture, and 3 hours laboratory. *Miss J. Ward, Mrs. P. Pearce*

B. A course of massage and the application to medical and surgical conditions.

4 hours laboratory. *Mrs. P. Pearce*

C. A theoretical and practical course in the treatment, where applicable, by physical means, of diseases of the respiratory, cardio-vascular, abdominal, and skeletal systems. This course is correlated with the lectures in clinical therapy and occupational therapy.

2 hours lectures, and 3 hours laboratory. *Mrs. Gault*

ELECTROTHERAPY 1. A theoretical and practical course in the physical principles and the details of technique of direct and low frequency currents for therapeutic purposes.

1 hour lecture, and 1 hour laboratory. *Miss E. P. Aston*

OCCUPATIONAL THERAPY 1.

The history, development and scope of Occupational Therapy. A study of the basic principles of Occupational Therapy applied to mental and physical disability. An introduction to Group Dynamics.

Leatherwork, copper tooling puppetry, cord knotting and soap carving.

Adapted equipment, and activities of daily living.

Recreation—a study of individual, group and remedial games.

3 hours lectures and 4 hours laboratory. *Miss E. N. Dunkin*

HOSPITAL PRACTICE—112 hours.

THIRD YEAR

ANATOMY 2.—SYSTEMATIC ANATOMY. P. 2. Lectures and demonstrations designed to provide a knowledge of the anatomical structure of the vital organs by systems.

2 hours lectures, and 2 hours laboratory.

Professor C. P. Leblond and Staff

PHYSIOLOGY 22.—ELEMENTARY PHYSIOLOGY (Fac. Arts and Sci.) (Full course). For Second and Third years Arts and Science students. An account of general physiological principles, combined with an introduction to basic techniques, intended primarily for students who will specialize in one of the biological sciences.

2 hours lectures, and 3 hours laboratory.

CLINICAL THERAPEUTICS 2. A detailed consideration of the diseases and injuries requiring treatment with physical and occupational therapy. The application of treatment to specific symptoms will be dealt with in detail. Specialists in various branches of medicine and surgery will give lectures.

2 hours lectures. *Professor Fisk and Staff*

PHYSICAL THERAPY 2. A practical and theoretical course including massage and remedial exercises, hydrotherapy, progressive resistance and suspension exercises, for medical and surgical conditions, from early treatment to rehabilitation.

116 hours. *Miss E. P. Aston, Miss J. Ward, Mrs. P. Pearce*

ELECTROTHERAPY 2. A course in theory and application of ultra-violet radiations and diathermy (high frequency) apparatus.

1 hour lecture, and 2 hours laboratory. *Mrs. Gault*

OCCUPATIONAL THERAPY 2.

A. A study of the principles of occupational therapy used in the treatment of neuromuscular disorders with emphasis on the adaptation of equipment.

1 hour lecture.

B. A course in occupational therapeutic techniques and their application to specific disabilities.

Woodwork, metalwork, weaving, needlework, glove making.
Adapted equipment.

130 hours. *Miss E. N. Dunkin*

HOSPITAL PRACTICE—424 hours.

FOURTH YEAR (DEGREE COURSE)

BIOCHEMISTRY 31.—GENERAL PHYSIOLOGICAL CHEMISTRY (Fac. Arts and Sci.) (Full course). A general survey of the chemistry of carbohydrates, fats, steroids, and proteins, their transformations in the body, and the composition of the body in health and disease.

ANATOMY 3.—P. 3. Arm and Leg.

2 hours lectures, 4 hours laboratory.
Professor C. P. Martin and Staff

PSYCHOLOGY 34A.—DYNAMICS OF BEHAVIOUR (Half course). Facts and theories of emotion and motivation.

First term: 2 hours and one weekly conference. *Professor Bindra*

34b. THEORY OF PERSONALITY (Half course). Consideration of current theories of personality, normal and abnormal.

Second term: 2 hours and one weekly conference. *Professor Bindra*

SOCIOLOGY 21Z.—INTRODUCTION TO SOCIOLOGY (Full course).

3 hours.

ELECTIVE COURSE—Students will select one of the following subjects:

Bacteriology 4
Fine Arts 201
Economics 100

PHYSICAL THERAPY 3.

A. A course in the theory and practical treatment by physical and occupational therapy of neurological diseases.

2 hours lectures. *Members of the Staff*

B. Discussion of the latest comparative methods of treatment by physical means.

2 hours per week. *Mrs. Gault*

OCCUPATIONAL THERAPY 3.

A. A course in Departmental Management.

8 hours *Miss Dunkin*

B. A course in therapeutic techniques and their application to specific disabilities.

1. Pottery and lino block printing.

2. Art—instruction in the use of water colours, and oil paints.

2 hours per week.

3. Bookbinding and book repair. Leather carving.

2 hours per week. *Miss E. N. Dunkin*

HOSPITAL PRACTICE—240 hours.

FIFTH YEAR (DEGREE COURSE)

PHYSIOLOGY 31.—INTERMEDIATE PHYSIOLOGY (One and one half courses). A more detailed survey of the subject, with special emphasis on the physiology of man.

3 hours lectures, 3 hours laboratory and seminar.

PSYCHOLOGY 33. DEVELOPMENT PSYCHOLOGY. Third Year (Full course). The development of human behaviour from early prenatal stages to adolescence, with attention particularly to motor behaviour, language, intelligence, emotion, personality and social behaviour.

3 hours. *Professor Rabinovitch*

EDUCATION 301. General Principles of Education.

3 hours.

ELECTIVE COURSE—Students will select one of the following subjects:

Histology
Genetics 21
Sociology 301

CLINICAL THERAPY. Review of the more important conditions treated by physical and occupational therapy.

Professor Fisk

1 hour.

PHYSICAL THERAPY 4. An advanced course of clinical teaching of conditions where physical therapy and electrotherapy are applicable.

2 hours per week. *Mrs. Gault and Miss E. P. Aston*

OCCUPATIONAL THERAPY 4.

A. A study of rehabilitation with emphasis on job analysis, work testing, and pre-vocational assessment.

1 hour per week.

B. A course in special techniques and their adaptations.

I. Construction of self-help equipment and splints.

II. Cane, reed, and raffia work.

40 hours. *Miss E. N. Dunkin*

HOSPITAL PRACTICE—500 hours.

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Department of University Extension

Evening Courses 1959-1960

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Evening Courses 1959-1960

McGILL UNIVERSITY LIBRARY

FOREWORD

In the pages which follow you will find 175 evening courses listed, with a brief description of their contents. A few of these courses are new; most were offered last year, when nearly 8,000 registrations were received. We expect there will be a similar response this year.

The Extension Department does not offer courses leading to a Bachelor's degree, but it does offer a good many courses for which diploma or degree credit may be obtained. Thus there are courses leading to a Diploma in French-English Translation; others leading to a Diploma in Management and Business Administration; still others leading to a Graduate Diploma in Electrical Engineering; and the course work required for the Master of Engineering degree in Electrical and Mechanical Engineering may be completed through evening study. Courses preparatory to the examinations of the Institute of Chartered Accounts of Quebec and of the Corporation of Professional Engineers of Quebec are also offered, although in the latter case our offerings are not complete. In addition to these professional courses, a great many semi-professional and cultural courses will be found listed on the pages which follow.

Last year Macdonald College Extension Service greatly expanded its evening-course program, and the registration increased correspondingly. The courses being offered there this year will be found at the back of this booklet. If you live near the west end of the island, you may find the courses at Macdonald College more convenient to attend than those at McGill.

It is the aim of the Extension Department to provide for the continuing educational needs of the Montreal community. We welcome you to our classes and we appreciate your suggestions for improving our offerings. We hope that in this year's program you will find what you need.

F. S. Howes, Ph.D., P.Eng.,
Director of University Extension.

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GENERAL INFORMATION

MACDONALD COLLEGE EXTENSION COURSES. See page 3964.

McGILL UNIVERSITY EXTENSION COURSES:

REGISTRATION.—You may register by mail, starting September 1st.

Please use the enclosed card, fill in all four sections, and mail it, with your cheque or money order (payable to McGill University), to the Extension Office.

ALL of the information asked for on the card—your address, telephone numbers, employer, educational background, etc.—is important to us in conducting the program and in planning for future courses. If we do not have your telephone number, we cannot notify you of the cancellation of a lecture. We would appreciate your cooperation.

Although registration by mail is advisable, students may register at the University during the day or evening, as follows:

Accountancy Students.—See page 3936.

Other Students.—

Day Registration: *Fourth Floor*, Dawson Hall (East Wing, Arts Building), 9 a.m. to 4 p.m., Monday to Friday inclusive, September 8th to October 19th.

Evening Registration: *Ground Floor* (Registrar's Office), Dawson Hall, 6 to 8:30 p.m., Mondays and Wednesdays only, September 14th to October 7th.

First term registration closes October 26th for language classes, and November 2nd for all others. Second term registration closes February 3rd.

LIMITED CLASSES.—In some of the courses as, for example, language classes, in which the progress of the student is dependent on his participation and the individual attention of the instructor, the size of the class is limited. In such cases, enrolment is on a "first come, first served" basis. It is advisable, therefore, to register early.

FEES.—The fee as indicated for each course is payable in advance, at time of registration. If, after the first lecture *in the course*, you find that the course seems unlikely to meet your needs, a refund of the whole fee may be obtained by presenting your Student card at the Extension office

between the hours of 9 a.m. and 4 p.m. *No refunds will be made after the date of the second lecture in the course.* This means that, if you register for a course *after* the second lecture in that course, you cannot obtain a refund. If refund by mail is desired, the Student card must reach the Extension office *before the second lecture* and three weeks be allowed by the student for receipt of refund cheque.

CANCELLATION OF COURSES.—The student fee charged for these evening courses is essentially what it costs to put them on, assuming a certain minimum registration. If the registration in a course is less than the required minimum, the Committee reserves the right to cancel the course and refund fees.

If you are particularly anxious to take a course, may we suggest that you seek to interest your friends in it in order to ensure that at least this minimum registration is obtained.

EXAMINATIONS.—An examination, optional to students, will be available in the majority of courses. A certificate will be supplied to successful candidates. The pass mark is 50 per cent unless otherwise indicated.

Supplemental examinations will be given in credit courses, i.e., graduate Engineering and M.B.A. Diploma, as well as in Accountancy courses. All supplemental examinations will be held during the last week in August. Written application should be made, not later than August 1st, to the Extension Department for all supplemental examinations with the exception of Accountancy; for Accountancy supplementals, see page 3938. The fee is $10 for each supplemental examination and must accompany application.

NOTICES.—In the Arts Building and the New Engineering Building there are Extension notice boards. It is to your advantage to consult these each evening for changes, particulars of examinations etc.

TEXT BOOKS.—All required text books and some of the suggested reference texts may be purchased at The McGill University Book Store, which is open Monday to Friday, from 8:30 a.m. to 5 p.m., and on Saturday from 9 a.m. to noon.

From September 28th to October 22nd inclusive, text books will be available *only* at the branch of the Book Store located in the Arts Building basement; this branch store will be open, *Monday to Thursday, from 8:30 a.m. to 8.15 p.m.*

After October 22nd, the text books will be available only in the main store at 3416 McTavish Street.

THANKSGIVING HOLIDAY.—No classes will be held on Monday, October 12th.

CHRISTMAS HOLIDAYS.—The last lecture before Christmas will be on Monday December 21st. The first lecture in 1960, in continuing courses, will be on Monday, January 4th.

For new courses beginning in January, ask in December for special announcement.

EXTENSION OFFICE.—The Extension Office is located in Room 420, Dawson Hall (East Wing of Arts Building).

PARKING.—Prospective students should note that no student parking is permitted on the Campus in the evening.

TELEPHONE—VI. 4-6311, Local 304 (before 5 p.m.)

SECTION A

NON-TECHNICAL COURSES

DRAWING AND PAINTING, ELEMENTARY (non-professional). Professor Guy Viau, Department of Fine Arts. Fee $25.00 per term of 10 periods of 2 hours. Classes limited.

Neither talent nor previous experience is required for these classes which are intended for adults. Experience will be acquired in drawing and painting from life and still life. The course is not one of formal instruction; therefore each person is encouraged to approach the artistic problem with the degree of insight he has and develop this as far as he is able. All materials are supplied except brushes.

A1. First term, Tuesdays, 8 p.m., beginning October 6th.

A3. Second term, Tuesdays, 8 p.m., beginning January 19th.

DRAWING AND PAINTING, INTERMEDIATE (non-professional). Professor Guy Viau. Fee $25.00 per term of 10 periods of two hours. Classes limited.

This course is similar to the elementary course and is a continuation of it. Applicants must have had some introductory non-professional instruction, at McGill or elsewhere. All materials will be supplied with the exception of brushes.

A2. First term, Thursdays, 8 p.m., beginning October 8th.

A4. Second term, Thursdays, 8 p.m., beginning January 21st.

A5. HISTORY AND APPRECIATION OF ART I. Professor Winthrop O. Judkins, Department of Fine Arts. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning October 8th. Arts Building. Fee $15.00.

The first half of this course is designed to train and develop an understanding of the work of art as a visual medium of expression. This is followed by an analysis and discussion of the principal epochs in the history of Oriental painting and in the painting of the West up to the Medieval period. Slides and other illustrative materials will be used throughout the course.

A6. HISTORY AND APPRECIATION OF ART II. Professor Winthrop O. Judkins. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning January 21st, Arts Building. Fee $15.00.

In this second half of the course, the study of the development of art history is continued from the conclusion of Medieval art and the rise of the Renaissance to the beginning of Modern art. *Enrollment in this course is limited to those who have taken History and Appreciation of Art I.*

Note.—A sequel course on Modern art, previously announced for the present session, is to be offered by Professor Judkins in the 1960-61 session. *Prerequisite:* Course A6.

A7. HOW TO RECOGNIZE FORM IN MUSIC. Professor Helmut Blume, Faculty of Music. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning January 21st. Conservatorium of Music. Fee $15.00.

This course will deal with rhythm and melody as the basis of musical expression, and the element of motivic repetition as a dominant feature. Forms to be discussed at the piano and with recordings are: theme and variations; suite; minuet and trio; fugue; sonata form; rondo.

INTRODUCTORY SURVEY OF ENGLISH LITERATURE. Mr. Hugh Sproule, Department of English. Two series of ten 2-hour lectures. Arts Building. Fee $20.00 each series.

The two series combined will offer a chronological survey of English literature from the beginnings to the present day. In each of the major periods of literary development, a review of the historical and social background will be given and representative authors discussed. *Text:* David Daiches, *Poems in English, 1530-1940* (Ronald Press).

A9. Wednesdays at 8:15 p.m., beginning October 7th.

A10. Wednesdays at 8:15 p.m., beginning January 20th.

A11. THE ENGLISH NOVEL. Mr. Hugh Sproule. 10 lectures of 1½ hours, Mondays at 8:15 p.m., beginning October 5th. Arts Building. Fee $15.00.

In this introduction to the development of the novel form, the following will be studied and discussed: *Pride and Prejudice* and *Mansfield Park* (Jane Austen); *The Mill on the Floss*, *Silas Marner* (George Eliot); *Bleak House*, *David Copperfield* (Charles Dickens); *Vanity Fair* (W. M. Thackeray); *Barchester Towers*, *The Warden* (Anthony Trollope).

A12. THE NOVEL. Mr. Hugh Sproule. 10 lectures of 1½ hours, Mondays at 8:15 p.m., beginning January 18th. Arts Building. Fee $15.00.

The following novels will be dealt with in this survey from mid-nineteenth century to the present: *Middlemarch* (George Eliot); *The Return of the Native* (Thomas Hardy); *Erewhon* (Samuel Butler); *The Old Wives' Tale* (Arnold Bennett); *Lord Jim* (Joseph Conrad); *A Passage to India* (E. M. Forster); *Of Human Bondage* (W. Somerset Maugham); *An American Tragedy* (Theodore Dreiser); *Mrs. Dalloway* (Virginia Woolf). During the lectures, opportunity for discussion will be given.

A13. RUSSIAN CULTURE—PAST AND PRESENT. Professor Milos Mladenovic, Department of History. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning October 8th. Arts Building. Fee $15.00.

This course is intended to assist students to understand Russia today.

Syllabus: Geopolitical and historical background; economic and social development; religious beliefs and customs; civilization and ideas in the past; literature and art; Marxism-Leninism and new cultural trends.

A14. PROBLEMS OF PHILOSOPHY AS ILLUSTRATED IN PLATO'S *REPUBLIC*. Mr. A. M. D. Gombay, Department of Philosophy. 10 lectures of 1½ hours, Mondays at 8:15 p.m., beginning October 5th. Arts Building. Fee $15.00.

Plato's *Republic* will be taken as a basis for the discussion of the major philosophical problems. Special attention will be paid to ethical, political, and metaphysical doctrines. *Text:* Plato, *Republic*, translated by F. M. Cornford (Oxford Univ. Press); or Plato, *Republic*, translated by B. Jowett (Modern Library).

A15. INTRODUCTION TO SOCIOLOGY. Mrs. Agnes M. Fergusson, Department of Sociology. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 6th. New Engineering Building. Fee $15.00.

Syllabus: The individual and society—personality development; the family; the individual and the group; institutions, including religious, economic, political; population distribution and society; the community; race relations.

A16. THE STUDY OF MAN I (Introduction to General Anthropology). Professor Toshio Yatsushiro, Department of Sociology and Anthropology. 10 lectures of 1½ hours, Wednesdays at 8:15 p.m., beginning October 7th. New Engineering Building. Fee $15.00.

Syllabus: Human origins, types, and evolution; the spread of modern races; the prehistoric development of culture; the nature of society, culture, and language; a brief survey of different primitive cultures of the Old and New Worlds. *Text:* William Howells, *Back of History: The Story of Our Own Origins* (Doubleday, 1954).

A17. THE STUDY OF MAN II (Cultural Anthropology). Professor Toshio Yatsushiro. 10 lectures of 1½ hours, Wednesdays at 8:15 p.m., beginning January 20th. New Engineering Building. Fee $15.00.

Syllabus: Examination and comparison of different primitive cultures distributed throughout the world (North and South America, Africa, Middle East, Asia, Melanesia, Polynesia, and Australia), in terms of their family, educational, economic, religious, political, and stratificational systems, their technology, and their value systems. *Text:* Elmer R. Service, *A Profile of Primitive Culture* (Harper, 1958); Ruth Benedict, *Patterns of Culture* (Mentor).

A18. INTRODUCTION TO PSYCHOLOGY. Professor Dalbir Bindra, Department of Psychology. 20 lectures of 1½ hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $30.00.

This course deals with human behaviour and how psychology tries to explain it; the relation of psychology to social problems, education and medicine; perception, learning, memory, thought, motivation and emotion; intelligence and its measurement; personality and temperament. *Text:* E. R. Hilgard, *Introduction to Psychology*, 2nd ed. (Harcourt Brace; in Canada, W. J. Gage & Co., Toronto.)

A19. PSYCHOLOGICAL PROBLEMS IN ADJUSTMENT. Dr. John D. Hackett, The Mental Hygiene Institute. 10 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 7th. Allan Memorial Institute of the Royal Victoria Hospital, 1025 Pine Avenue West. Fee $20.00.

This course will approach psychological problems from a theoretical point of view with emphasis placed on the personality as it develops through growth and socialization. It will begin with personality theory and social and cultural processes. This will be integrated with a more detailed study of the organism from before birth through old age, using the personality theory and our understanding of social and cultural processes as a framework.

A20. UNDERSTANDING OURSELVES. Dr. R. C. A. Hunter and Staff, Department of Psychiatry. 10 lectures of 2 hours, Wednesdays at 8 p.m., beginning January 20th. Allan Memorial Institute of the Royal Victoria Hospital, 1025 Pine Avenue West. Fee $20.00. Class limited.

It is strongly recommended, although not required, that Course A19 be taken first. In Course A20 the class will be divided into groups of 20 or less, with an individual instructor. Consideration will be given to human problems, and interpretation and methods of handling them will be offered, emphasis being placed on the application of psychodynamics and group dynamics to the problems of everyday living. Particular attention will be paid to learning through participation and experience in the group setting. The subject matter of this course will also be valuable to personnel supervisors and to those responsible for group and recreational programs.

LAW FOR THE LAYMAN. These courses are intended to cover in a very general and non-technical manner various legal problems which the ordinary citizen is apt to meet. The lecturer will endeavour to point out the problems and give certain suggestions as to what they really mean and how they should be dealt with.

A21. LAW FOR THE LAYMAN I. Mr. Alexander McT. Stalker. 10 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 6th. Arts Building. Fee $15.00.

This course will deal briefly with the system of law obtaining in the Province of Quebec; the different courts in the Province; what is involved in a lawsuit; the functions of the lawyer and his relationship to his client; ways of conducting business (partnership, corporations, etc.) and their advantages and disadvantages; registration of businesses; agency; some brief comments on taxation and bankruptcy; elements of obligations and contracts and some comments on negligence and its results.

A22. LAW FOR THE LAYMAN II. Mr. Alexander McT. Stalker. 10 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning January 19th. Arts Building. Fee $15.00.

This course will deal particularly with the family, its status and members; marriage and divorce; property in the family; married women in the Province of Quebec; life insurance; gifts; estates and wills; succession duties; buying Real Estate, suggestions to follow and things to watch for.

CURRENT EVENTS. Professors Michael Brecher and Keith Callard, Department of Economics and Political Science. Fee $15.00 per term of 10 lectures of 1½ hours. New Engineering Building.

In these courses each lecture will be devoted to a problem of current public importance, and an attempt will be made to set contemporary events in their proper historical context and perspective. Opportunity will be provided for class discussion at each lecture.

A23. First term, Wednesdays at 8:15 p.m., beginning October 7th.

A24. Second term, Wednesdays at 8:15 p.m., beginning January 20th.

A26. CANADIAN WILDFLOWERS. Professor Paul F. Maycock, Department of Botany. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning January 19th. Fee $15.00.

The woods and glades of eastern Canada abound in many wildflowers and trees. These plants vary from the great tulip trees and sycamores, which barely penetrate the southern parts of Ontario, to the dwarfed yet picturesque species of the Arctic. Early missionaries and explorers were the first to be attracted by these wild plants which have since become one of the nation's most important natural resources. With the aid of kodachromes, displays and living materials, wildflowers will be studied as they occur in their natural habitats. Their relationships and practical and cultural values will be emphasized. The course will include a field trip in early spring.

A27. GROUP LEADERSHIP. Messrs. Morris Sinuk and Joseph O'Connor, Allan Memorial Institute. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 6th. Allan Memorial Institute of the Royal Victoria Hospital, 1025 Pine Avenue West. Fee $20.00. Class limited.

This course is designed to provide practical and theoretical knowledge of group dynamics. It is offered to business men and women and members of clubs and organizations who wish to improve their effectiveness as executives or active members of business and community groups. The class will be divided into groups of twenty or less with an individual instructor. Presentation of current theories of group organization, operation and dynamics will be combined with practical experience in group discussion, decision making, role playing, and leadership experience.

SECTION B

TECHNICAL COURSES

ENGINEERING COURSES—UNDERGRADUATE LEVEL

B1. ALGEBRA AND ANALYTICAL GEOMETRY. Professor Samuel Melamed, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $40.00.

This course is intended for students preparing to write the C.P.E.Q. "Fundamentals of Engineering" examinations, although it is open to others interested.

Syllabus: Algebra—Indices, logarithms, quadratic equations, complex numbers, interest and annuities, graphs, series, permutations and combinations, binomial theorem, complex numbers, vectors, exponential series, partial fractions. *Analytical Geometry*—Rectangular and Polar co-ordinates, the straight line, circle, parabola and ellipse. *Text:* Elliott and Miles, *College Mathematics: A First Course* (Prentice-Hall).

B2. CALCULUS. Dr. Michael Herschorn, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $40.00. *Prerequisite:* Course B1, or equivalent.

Syllabus: Limits, functional notation, differentiation of elementary functions, derivatives of sums, products and quotients, maxima and minima, differentiation of trigonometric, exponential and logarithmic functions, geometric applications, differentials. Integration of standard functions, definite integrals, areas and volumes, geometrical and physical applications. *Text:* Middlemiss, *Differential and Integral Calculus* (McGraw-Hill).

B3. MECHANICS II. Mr. Carl Goldman, Department of Civil Engineering. 20 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 6th. New Engineering Building. Fee $40.00. *Prerequisite:* Mechanics I or equivalent.

Syllabus: Kinematics, dynamics and statics of systems of particles, and of rigid bodies; variable rectilinear and curvilinear motion; simple harmonic motion, translation and rotation of rigid bodies; compound pendulums; angular momentum and impact. *Texts:* Higdon and Stiles, *Engineering Mechanics* (Prentice-Hall); McGill University, *Mechanics Problems for Course 340.*

B4. HYDRAULICS. Professor V. W. G. Wilson, Department of Civil Engineering. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. New Engineering Building. Fee $40.00. *Prerequisites:* Calculus and Mechanics I.

Syllabus: Properties of fluids; hydrostatics; measurement of flow with orifices, weirs and Venturi meters; Bernoulli's theorem; laminar and turbulent flow; flow in pipes and open channels; divided flow. *Text:* Ranald V. Giles, *Hydraulics and Fluid Mechanics* (Schaum).

B6. THEORY AND PRACTICE OF SURVEYING. Professor Louis J. Arcand, Department of Civil Engineering. 25 lectures of 2 hours, Tuesdays at

6 p.m., beginning October 6th. New Engineering Building. Fee $50.00. *Prerequisite:* High School Matriculation.

The lectures deal with the operation of the various types of Engineer's Levels, the Universal Transit and the art of measurement, for surveying practice in the field and in the shop. Emphasis will be placed on the use of the various units of measurement employed in the Province of Quebec, the adjustments of the instruments, the use of coordinates for area determination and computation of volumes, simple circular and easement curves, the theory and use of the polar planimeter and partition of land. A certain number of periods will be set aside for the students' use of survey instruments. Instruments, equipment and display panels will be available for demonstration. *Texts:* Davis and Foote, *Surveying* (McGraw-Hill); Breed and Bone, *Surveying*, 2nd ed. (Wiley).

B7. **FUNDAMENTALS OF HEATING, VENTILATING AND AIR CONDITIONING.** Professor William Bruce, Department of Mechanical Engineering. 20 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 7th. New Engineering Building. Fee $40.00. *Prerequisite:* Engineering Fundamentals or equivalent.

Syllabus: Thermodynamic principles and properties of various media; air-vapour mixtures and the psychrometric chart; factors affecting human comfort; heat transfer and insulation, and heat losses from buildings; radiators, convectors, baseboard heating, panel heating and unit heaters; distribution systems—air, steam and hot water—fans, ducts, diffusers, piping; furnaces, boilers, fuels and combustion processes; mechanical refrigeration; air conditioning—heating, cooling, humidification and purification processes. *Text:* Allen, Walker and James, *Heating and Air Conditioning* (McGraw-Hill).

B9. **MACHINE DESIGN.** Mr. Francis Howitt, Department of Mechanical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $40.00. *Prerequisite:* Calculus and Mechanics I.

This introductory course in machine design covers the fundamentals of stress analysis, material selection, and the design of basic machine elements—screws, fasteners, joints, springs, brakes, clutches, shafts, gears, belt and chain drives, and bearings. *Text:* Vallance and Doughtie, *Design of Machine Members* (McGraw-Hill).

B10. **ENGINEERING DRAWING.** Mr. C. Glynn, Department of Mechanical Engineering. 20 periods of 2 hours, Tuesdays at 8 p.m., beginning October 6th. New Engineering Building. Fee $40.00. *Prerequisite:* Grade XI (Quebec) or equivalent.

For this course, no previous mechanical drawing experience is required. The course will involve lectures, drawing exercises and reference reading, and will include: orthographic projection; auxiliary views and sections; dimensioning: principles and systems; intersections and flat patterns; space geometry principles—lines, planes and solids; applications in Mechanical and Structural design problems.

B11. FUNDAMENTALS OF ILLUMINATION. Messrs. A. H. Mendel and R. S. Tate. 10 lectures of 2 hours, Thursdays at 6 p.m., beginning January 21st. New Engineering Building. Fee $20.00.

Syllabus: Incandescent light sources; fluorescent light sources and ballasts; measurement of light; lighting systems—fixture evaluation; lighting design; quantity and quality of light; school and office, store, and industrial lighting; floodlighting and sports lighting. *Recommended text:* Illuminating Engineering Society, *I.E.S. Handbook.*

B12. INTRODUCTION TO INDUSTRIAL ENGINEERING. Mr. B. O. Winter, and others, Canadian Industries Limited. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $40.00. *Prerequisite:* High School Matriculation.

Syllabus: The industrial engineer's problem; method study—five-step plan, flow process chart, man-machine chart, motion economy principles; clerical method study; job evaluation; work measurement—techniques, time study, standard time, work sampling; maintenance control—procedures, planning and scheduling, cost control and cost analysis; statistical quality control—variations and frequency distribution, control charts, statistical acceptance sampling.

B13. STATISTICAL QUALITY CONTROL. Messrs. G. S. Cavadias and R. Vance Ward. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $40.00. *Prerequisite:* High School Matriculation; some calculus desirable.

Syllabus: Introduction—the concept of Statistical Quality Control; probability distributions; measures of variation and central tendency; grouping of raw data; sampling; average and range charts—their construction and use; percent defective charts; other forms of controls; statistical sampling inspection; OC curves; fundamentals of acceptance sampling; MIL—STD—105A tables; attribute and variable sampling inspection plans; vendor quality level certification; sequential methods; SQC and tests of significance in general; introduction to advanced topics; recent industrial and practical problems. *Texts: ASTM Manual on Quality Control of Materials* (American Society for Testing Materials); *MIL-STD-105A: Sampling Procedures and Tables for Inspection by Attributes* (U.S. Government Printing Office).

B14. MODERN MATHEMATICS—ALGEBRA, LOGIC AND SET THEORY. Professor Martin D. Burrow, Department of Mathematics. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 6th. New Engineering Building. Fee $50.00. *Prerequisite:* High School Matriculation.

Syllabus: Counting and notions of number. Operations with numbers, order. The working substance of arithmetic analysed. Abstract aspects: groups, rings, fields. The axiomatic approach explained and used. Ideas of set theory. Mappings and infinite counting. Functions on sets. Algebra of classes. Application to logic. *Text:* Richard V. Andree, *Selections from Modern Abstract Algebra* (Holt).

B15. THE BEHAVIOUR OF METALS. Professor H. H. Yates, Department of Metallurgical Engineering. 20 lectures of 2 hours, Thursdays at 6 p.m., beginning October 8th. New Engineering Building. Fee $40.00. *Prerequisite:* University graduation or equivalent.

Syllabus: Production methods and uses of the common metals; behaviour patterns in mechanical and chemical situations; crystal structure, solidification mechanism, grain pattern and casting characteristics; deformation mechanisms, strain hardening, annealing and recrystallization; behaviour of alloys: composition, microstructure and heat treatment; effects of structural changes on mechanical properties and corrosion behaviour. Corrosion: chemical principles; corrosion mechanisms in wet and dry systems; metallurgical and environmental factors influencing rate and severity of corrosion; factors affecting design; testing techniques; methods of combatting corrosion. *Texts:* Rollason, *Metallurgy for Engineers* (Edward Arnold); Evans, *An Introduction to Metallic Corrosion* (Edward Arnold).

B16. FOUNDATION ENGINEERING. Professors J. L. deStein and P. J. Harris, Mr. Raymond Yong. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning January 19th. New Engineering Building. Fee $20.00. *Prerequisite:* University graduation or equivalent.

Syllabus: Soil properties, laboratory and field soil testing, lateral earth pressures, soil bearing values, friction and bearing piles, sheet piling.

ENGINEERING COURSES—GRADUATE LEVEL

For graduates in Engineering or Physics; not open to non-graduates.

Graduate engineers engaged in research, design and development work in Electrical and Mechanical Engineering and in Aeronautics require more advanced training than can be included in undergraduate courses. The

courses listed below have been designed to provide this advanced training and, in addition, they offer the opportunity to properly qualified students to complete the course requirements for an advanced Diploma or Master's degree while gainfully employed. Complete details of the course and other requirements for the Graduate Diploma in Electrical and Mechanical Engineering, the M.Eng. degree in Electrical and Mechanical Engineering, and the M.Sc. in Electrical Communications may be obtained on request at the Extension Office.

In order to meet the needs of graduate engineers and physicists in the Ottawa area, graduate courses in Electrical Communications sponsored by McGill are offered in the evening at Carleton University, Ottawa. These courses may also be taken for credit toward a Diploma or Master's degree.

Electrical Engineering

B20. AUTOMATIC PROCESS CONTROL. Professor G. L. d'Ombrain, Department of Electrical Engineering. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 7th. New Engineering Building. Fee $40.00.

Syllabus: Generalized linear single loop process control system. Representation of mechanical, thermal, pressure-level and electrical systems of linear differential equations. Representation of cascaded and non-interacting transfer lags. The use of Laplace transform methods to determine transient response of open and closed loop systems. System stability as a function of root location. Frequency response stability determination, Nyquist, inverse Nyquist and Bode representation. On-off, proportional, P+I, P+D and P+I+D control modes. Effect of these modes on the process response. Pneumatic, hydraulic and electric method of generation of the control modes. Dynamic instrumentation for temperature, pressure level and flow. Notes on pH, viscosity and color. Control valve characteristics. Introduction to multi-loop linear control system. Non-linearity problems. The role of analog and digital systems in process control systems. *Text:* Eckman, *Automatic Process Control* (Wiley).

B21. TRANSIENT ANALYSIS AND PULSE TECHNIQUES. Professor G. W. Farnell, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $40.00.

This course will cover principles and techniques of pulse circuits applicable to the fields of television, radar, computers and pulse communication systems. The topics include: Transient solution of circuit problems by means of the Laplace transform, transient response of

amplifiers; basic pulse circuits such as overdriven amplifiers, multivibrators, counters and gating circuits; pulse modulation topics such as principles of time-division multiplexing, pulse-time and pulse-code modulation; transistor switching circuits. *Text:* Millman and Taub, *Pulse and Digital Circuits* (McGraw-Hill).

B22. **NETWORK THEORY.** Professor T. J. F. Pavlasek, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $40.00.

Syllabus: Steady state analysis of linear passive and active networks; matrix methods; signal flow diagram techniques; transient analysis and use of transform techniques; pole zero methods; study of negative feedback theory; filter design and introduction to network synthesis.

B24. **QUANTUM PHYSICS.** Professor R. T. Sharp, Department of Mathematics. 20 lectures of 2 hours, Thursdays at 6 p.m., beginning October 8th. New Engineering Building. Fee $40.00.

The first part of this course will cover the basic principles of quantum mechanics which underlie most of modern physics and chemistry. These principles are then applied to an understanding of matter in its different forms. Among the topics covered are atomic structure and spectra, chemical binding and molecular structure, electronic structure of solids, quantum statistics, basic properties of nuclei, nuclear reactions and radioactive transitions, stellar energy, elementary particles. *Text:* Leighton, *Principles of Modern Physics* (McGraw-Hill).

B25. **ELECTROMAGNETIC WAVE PROPAGATION.** Dr. M. P. Bachynski, RCA Victor Research Laboratories. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. New Engineering Building. Fee $40.00.

This course is designed to present in unified form the various aspects of electro-magnetic wave propagation. Both fundamental theory and experimental results to date will be stressed. Methods of application to engineering situations will be indicated. Subject matter includes: Maxwell's equations, electromagnetic potentials, boundary conditions, the wave equation; geometric and physical optics and diffraction as applied to electromagnetic wave propagation; propagation in free space, over a homogeneous smooth surface, over inhomogeneous and rough terrain, over natural obstacles such as hills and mountains; tropospheric scatter propagation.

B27. **APPLIED MATHEMATICS I.** Professor P. R. Wallace, Department of Mathematics. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 7th. New Engineering Building. Fee $40.00.

This course deals with the mathematical methods of engineering: vector analysis; Fourier series and other expansions and their use in differential equations of engineering; operational methods are also treated briefly. A selection of basic problems arising in engineering is treated, and the commonly occurring functions and differential equations are studied. The course is designed to extend the power of the graduate engineer to understand and use the mathematical techniques employed in the modern literature in radiation theory, circuit analysis, aerodynamics, supersonic flow, etc. *Text:* Bronwell, *Advanced Mathematics in Physics and Engineering* (McGraw-Hill).

B28. OPERATIONAL CALCULUS AND MATRIX ALGEBRA. Professor E. Rosenthall, Department of Mathematics. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 8th. New Engineering Building. Fee $40.00 *Prerequisite:* Elementary Calculus.

This course provides an introduction to operational methods in mathematics and topics in matrix algebra. Subjects covered will include the Fourier-Mellin Theorem; calculation of direct transforms; calculation of inverse transforms; impulsive functions; Heaviside's rules; transforms of periodic functions; applications of operational calculus to the solution of differential equations (ordinary and partial) which arise in dynamics, heat conduction, electromagnetic theory, linear networks, transient phenomena, etc. The fundamental rules of matrix algebra will be discussed and applications made to linear transformations, quadratic forms, eigenvalues, illustrated by problems from applied mathematics. *Text:* Churchill, *Modern Mathematics in Engineering* (McGraw-Hill).

B30. STATIC AND ROTARY POWER MODULATORS. Professor T. H. Barton, Department of Electrical Engineering. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 8th. New Engineering Building. Fee $40.00.

In this course, the construction and theory of magnetic amplifiers, saturable reactors, rotating amplifiers and grid-controlled mercury-vapour rectifiers and the application of these devices to open and closed loop control systems will be considered. These devices may be used as power amplifiers to form a link in a control system between electronic sensing and amplifying equipment and the output. They are used for speed control, e.g., in paper machines and rolling mills; for voltage regulation; for position control, e.g., gun-laying; and in many other applications. *Text:* H. F. Storm, *Magnetic Amplifiers* (Wiley).

B31. ELECTRIC TRANSMISSION AND DISTRIBUTION. Professor Walter H. Schippel, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $40.00.

An understanding of the application of electrical transmission requires a detailed study of system characteristics covering aerial lines, underground cables, transformers, and synchronous machines, together with the analysis of their operation on steady-state, transient, balanced and unbalanced-phase conditions, and the protection of the system against service interruptions due to insulation breakdown and flashover. The course will also include power distribution in cities and rural areas. *Text: The Electrical Transmission and Distribution Reference Book* (Westinghouse Electric and Manufacturing Company).

MECHANICAL ENGINEERING

B34. FUNDAMENTALS OF HEAT TRANSFER. Professor J. W. Stachiewicz, Department of Mechanical Engineering. 20 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 7th. New Engineering Building. Fee $40.00.

This course is designed for graduate engineers who have had little or no formal coursework in heat transfer in their undergraduate studies. It will give the students the background necessary to consider applications of heat transfer in such fields as power generation, heating and refrigeration, process industries, etc.

B35. NUCLEAR REACTOR CORE DESIGN. Professor A. Robert Edis, Department of Mechanical Engineering. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 8th. New Engineering Building. Fee $40.00.

This course is concerned with the engineering of the reactor core and is designed to meet the needs of graduate engineers who desire to study the special problems of nuclear reactor core design. Those taking the course should be familiar with mechanics, elementary physics, and mathematics to differential equations.

First principles are stressed in studying the behavior of particles, particularly the neutron, the attainment of critical size, the arrangement of the fuel-rod lattice, and the neutron economy in the reactor.

B36. APPLIED AERODYNAMICS. Professor J. H. T. Wu, Department of Mechanical Engineering. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. New Engineering Building. Fee $40.00.

Syllabus: Boundary layers, wing theory, supersonic flow and shock waves, supersonic inlet diffusers, mechanics of rarefied gases and experimental techniques. *Text:* Shapiro, *The Dynamics and Thermodynamics of Compressible Fluid Flow* (Ronald).

B37. APPLIED MATHEMATICS II. Professor Charles Fox, Department of Mathematics. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 7th. New Engineering Building. Fee $40.00.

This course is open only to graduates in Engineering and may be taken by those seeking credit toward the M.Eng. degree in Mechanical Engineering.

The course will begin with a review of differential equations and will go on to develop those mathematical techniques essential for the treatment of problems in vibration, elasticity, heat flow, etc. of particular interest to mechanical engineers. *Text:* L. A. Pipes, *Applied Mathematics for Engineers and Physicists*, 2nd edition (McGraw-Hill).

B38. APPLICATION OF ADVANCED MATHEMATICS TO ENGINEERING DESIGN. Mr. S. S. Hyder, Department of Mechanical Engineering. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $40.00. *Prerequisite:* Course B37, or equivalent.

The purpose of this course is to enable the graduate engineer to analyse and solve complex engineering problems by the application of advanced mathematical techniques. It will also permit him to study and to appreciate the more advanced engineering literature in technical and research journals. Specific applications of vectors, tensors, differential equations, Laplace transforms, transformation of co-ordinate systems, Green's functions, matrices, etc. to problems in stress analysis, fluid dynamics, chemical diffusion, heat transfer and vibration will be considered, and numerical solutions will be sought. Students are expected to undertake homework assignments and may be required to demonstrate their solutions in class. *Text:* L. A. Pipes, *Applied Mathematics for Engineers and Physicists*, 2nd edition (McGraw-Hill).

B39. FLUID DYNAMICS AND PARTICLE DYNAMICS. Professor W. H. Gauvin, Department of Chemical Engineering. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $50.00.

Syllabus: Development of basic equations of fluid motion and their application to potential flow, and to laminar and turbulent flows in closed conduits and past immersed bodies. The Boundary Layer Theory and the concepts of turbulence. Dynamics of small particles and statistical treatment of particulate systems. Application of these fundamental principles to the problem of heat, mass and momentum transfer in solid-gas systems, with particular references to chemical engineering operations such as spray-drying, flash cooling, spray evaporation, flash-drying, Venturi scrubbing and pneumatic conveying.

OTTAWA COURSES *(Carleton University)*.

B41. TRANSISTOR THEORY AND APPLICATIONS. Dr. John H. Simpson and Mr. Roger S. Richards, National Research Council. 20 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 6th. Carleton University, Ottawa. Fee $40.00.

The course will commence with a brief outline of the theory of semiconductors and the properties of minority carriers. The theory of junction rectifiers and transistors will be discussed in some detail, and equivalent circuits for use at low and high frequencies will be described. The design of transistor circuits for audio frequency, radio frequency and switching applications will be treated.

B42. ENGINEERING ANALYSIS. Dr. John H. Milsum, National Research Council. 20 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 7th. Carleton University, Ottawa. Fee $40.00.

Lumped-parameter (finite degree-of-freedom) and continuous-system categories embrace most engineering problems. Solution techniques are investigated, with particular reference to numerical hand solutions and solution by analogue and digital electronic computers. Both types of machine will be demonstrated. Mathematical methods used include matrix notation, calculus of variations and theory of characteristics. *Text:* Crandall, *Engineering Analysis* (McGraw-Hill).

B43. ACOUSTICS. Dr. Edgar A. G. Shaw, National Research Council. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 8th. Carleton University, Ottawa. Fee $40.00.

Syllabus: Fundamental theory of vibrations; free, damped, forced and coupled oscillations; wave motion in strings, bars and membranes. Radiation, transmission and absorption of sound; horns, resonators and filters; electrical analogies. Aerodynamic noise sources. Room acoustics, sound transmission through structures and noise control. Measurements and terminology. Psychoacoustics.

B44. HEAT TRANSFER. Dr. Donald C. Baxter, National Research Council. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 8th. Carleton University, Ottawa. Fee $40.00.

This course will examine the major topics in the field of heat transfer. Steady-state and transient conduction in one, two, and three dimensions will be studied. Convection and the effects of high speed will be examined. Radiation and boiling heat transfer and the elements of heat exchanger design will be reviewed. Emphasis throughout will be placed on analytical procedures, numerical techniques and physical fundamentals; but dimensional analysis and model experimentation are also discussed. *Text:* W. H. Giedt, *Principles of Engineering Heat Transfer* (Van Nostrand).

B45. OPERATIONAL CALCULUS AND MATRIX ALGEBRA. Dr. Paul Mandl, National Research Council. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. Carleton University, Ottawa. Fee $40.00.

This course provides an introduction to operational methods in mathematics and topics in matrix algebra. Subjects covered will include the Fourier-Mellin Theorem; calculation of direct transforms; calculation of inverse transforms; impulsive functions; Heaviside's rules; transforms of periodic functions; applications of operational calculus to the solution of differential equations (ordinary and partial) which arise in dynamics, heat conduction, electromagnetic theory, linear networks, transient phenomena, etc. The fundamental rules of matrix algebra will be discussed and applications made to linear transformations, quadratic forms, eigenvalues, illustrated by problems from applied mathematics. *Text:* Churchill, *Modern Operational Mathematics in Engineering* (McGraw-Hill).

TRANSLATION

Courses B51 to B55 constitute a three-year series leading to a Diploma in Translation. They involve one two-hour period a week, and are open to all qualified students. A *Certificate* is given at the end of each of the three years to those who are successful in the examinations. To gain the *Diploma*, first class standing must be obtained in translation from French to English and from English to French in the examinations at the end of the Second and the Third years.

Students who successfully completed any of these courses last session may register by mail for the next course in the series. Students who were unsuccessful in a course last session may register by mail to repeat the course. A registration card may be obtained by writing or telephoning the Extension Office. Mailed registration cards, with cheque attached, should reach the Extension Office by October 3rd.

ADMISSION OF NEW STUDENTS

(a) Students in possession of a degree (B.A., B.Sc., B.Com.) from a recognized college or university will be permitted to register for the First year on production of an *official* transcript of their degree. This may be mailed or brought to the Extension Office.

(b) *All other students* wishing to enter First year MUST write the entrance examination in the Arts Building, McGill University, at 7 p.m., on Tuesday, September 15th.

(c) All *new* students wishing to enter Second year MUST write the entrance examination on September 15th. Their standing in that examination will determine whether they can be admitted to Second year or should revert to First year.

(d) An examination fee of $1.00 must be paid at the door.

(e) Within ten days of the date of the entrance examination, new students will be notified in writing of their admission to First or Second year. Those admitted may then register by mail. Registration cards, with cheques attached, should reach the Extension Office by October 10th.

FEES

The student fee, payable in full at registration, is the same for each course and is $45.00. Members of the Montreal Translators' Society, on presentation of their 1959 membership cards, will be registered at a reduced fee of $40.00. All Translation Course students are urged to join the Montreal Translators' Society, whose office is 900 St. Joseph Boulevard East, Montreal 24. The yearly fee of the Society is $5.00 and its members enjoy special privileges. A cheque for $5.00 should be sent *directly to the Society.*

FIRST AND SECOND YEARS: COMMERCIAL TRANSLATION

The purpose of these courses is to assist students in acquiring or perfecting ease of style and propriety of vocabulary in translating commercial material—correspondence, reports, advertising matter, simple sales contracts and the like—from English into French and *vice versa.*

The fields of terminology covered are broadly those of trade, finance and business administration. These courses are designed to emphasize the fact that commercial translation requires both accuracy and elegance, together with a proper understanding of the principles of correct drafting and composition. A course of reading is recommended to the students. It includes standard remedial manuals and works of reference on the use of language and the art of translation.

B51. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (1st year). Mr. H. W. Mandefield and Mr. Gilbert H. King. 20 lectures of 2 hours, Tuesdays at 7:30 p.m., beginning October 13th. Arts Building.

B52. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (1st year). Mr. Roy A. Field and Mr. F. Dufau-Labeyrie. 20 lectures of 2 hours, Wednesdays at 7:30 p.m., beginning October 14th. Arts Building.

B53. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (2nd year). Mr. Gilbert H. King and Mr. H. W. Mandefield. Tuesdays at 7:30 p.m., beginning October 13th. Arts Building.

B54. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (2nd year). Mr. F. Dufau-Labeyrie and Mr. Roy A. Field. Wednesdays at 7:30 p.m., beginning October 14th. Arts Building.

THIRD YEAR: GENERAL TRANSLATION

This course, which is conducted alternately in French and in English, is intended for students with a fair background of linguistic knowledge. It provides an introduction to translation work of a literary value and all texts are selected from among the work of writers whose fields range from the descriptive or psychological novel to the critical essay and topical article of merit and distinction. Apart from the constant building up of indispensable vocabulary this course particularly stresses the stylistic aspect of English and French, and special attention is paid to synonyms, shades of meaning and the accurate rendering of the general tone of a page.

B55. ENGLISH-FRENCH AND FRENCH-ENGLISH GENERAL TRANSLATION (3rd year). Miss L. Mabel King. 20 lectures of 2 hours, Wednesdays at 7:30 p.m., beginning October 14th. Arts Building.

ENGLISH

B56. ENGLISH COMPOSITION AND BUSINESS WRITING. Professor Kathleen M. Vaughan, Department of English. 25 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 6th. Arts Building. Fee $38.00. *Prerequisite:* High School Matriculation. This course is strictly limited to those whose native tongue is English. Those who speak English fluently, but whose native tongue is not English, should register for *Course E80* (see page 3964).

This course is a study of the principles of effective English expression and their application in business letters, business reports, and other forms of communications and record. The course begins with 'refresher' lectures on grammar, sentence structure, punctuation, and paragraphing, and proceeds to a detailed consideration of the techniques used in writing utility, sales, credit and collection, claim and adjustment, and application letters. There is also a detailed consideration of the procedure to be followed in writing business reports and a description of the types of prose which contribute to the effectiveness of reports. Students are encouraged but not required to write assignments for individual criticism. *Texts:* Robert R. Aurner, *Effective Communication in Business* and *Effective Communication in Business Workbook* (South-Western Publishing Co.).

FRENCH

BEGINNERS' FRENCH. Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course has been especially planned for students who have *never* studied French before, and who desire to attain quickly a measure of

fluency in that language. The approach will be entirely aural-oral, the course being planned to equip the student with a minimum of essential grammar. Attention will be paid to correct pronunciation from the start, and aural comprehension will be particularly stressed. There will be a short conversation at the end of every class. Written exercises will be given but will not be compulsory. *Text:* G. Mauger, *Cours de langue et de civilisation françaises à l'usage des étrangers* (Librairie Hachette, Paris).

B58. Professor Y. Champigneul, Department of Romance Languages, Wednesdays at 6:30 p.m., beginning October 7th.

B59. Professor M.-T. Reverchon, Department of Romance Languages. Tuesdays at 6:30 p.m., beginning October 6th.

ELEMENTARY FRENCH. Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course is an elementary one, devised for students who have studied some French previously but who, for lack of opportunity to use it, have forgotten most of it. French will be begun again from scratch, but the rate of progress will be faster than in *Beginners' French*, and, while the emphasis will remain on an aural-oral approach, attention will be paid to correct grammar. Students will be invited to devote some of their spare time to study, and written exercises will be set. *Text:* Douglas W. Alden, *Premier Manuel: Grammaire et civilisation françaises* (Appleton-Century-Crofts).

B60. Mr. G. D. Jackson, Department of Romance Languages. Thursdays at 6:30 p.m., beginning October 8th.

B61. Professor T. Romer, Department of Romance Languages. Tuesdays at 8:15 p.m., beginning October 6th.

ELEMENTARY FRENCH CONVERSATION. Three classes of 25 1½-hour periods. Arts Building. Fee $38.00. Classes limited to 25

This course consists of intensive oral work with the language, with emphasis on pronunciation, fluency and correct grammar. Attention will be given to enlarging the students' vocabulary, with particular regard to their professional needs or interests. This is a very suitable course for students who have taken the written or reading approach to French and desire to bring to life the linguistic material previously acquired. *Students will receive individual attention. Text:* G. Mauger, *Cours de langue et de civilisation françaises à l'usage des étrangers* (Librairie Hachette).

B62. Mr. M. Rabotin. Tuesdays at 6:30 p.m., beginning October 6th.

B63. Professor T. Romer. Thursdays at 8 p.m., beginning October 8th.

B64. Professor Y. Champigneul. Wednesdays at 8 p.m., beginning October 7th.

INTERMEDIATE FRENCH. Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course is intended for students who have taken French in High School or who have recently taken an elementary French course. A grammar review will be undertaken and a certain amount of written work will be offered on the less familiar aspects of syntax; but most of the class work (which it is hoped to conduct entirely in French) will be aimed at developing aural comprehension and increasing the students' active vocabulary on a wide range of topics. *Texts:* I. F. Fraser, *French Reviewed, A Review and Reference Grammar* and *Workbook* to accompany (Rinehart); O. F. Bond, ed., Graded French Readers, Book VII: *L'Anglais tel qu'on le parle* (Heath).

B65. Miss Nicole Deschamps, Department of Romance Languages. Mondays at 8:15 p.m., beginning October 5th.

B66. Mr. G. D. Jackson, Department of Romance Languages. Thursdays at 8:15 p.m., beginning October 8th.

INTERMEDIATE FRENCH CONVERSATION. Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course will be purely oral and conducted entirely in French. It is intended for students who have reached an average degree of aural comprehension but still experience difficulty in expressing themselves in French. The course will feature a review of every-day words and phrases used in real-life situations. *Students will receive individual attention. Text:* Shields, *Parlons français* (Houghton Mifflin).

B67. Professor M.-T. Reverchon, Department of Romance Languages. Tuesdays at 8 p.m., beginning October 6th.

B68. Dr. Henri Jones, Department of Romance Languages. Wednesdays at 8 p.m., beginning October 7th.

B69. ADVANCED FRENCH CONVERSATION. Mme. S. Launay. 25 periods of 1½ hours, Mondays at 6:30 p.m., beginning October 5th. Arts Building. Fee $38.00. Class limited to 25.

This course is intended for students who feel the need for fluent conversational French in business or who desire to attain a really good command of the spoken language. It will take the form of debates and

discussions on prepared topics and of review of current phrases as necessary. Each lecture will include pronunciation exercises adapted to class needs. The course will be conducted entirely in French and students will receive individual attention. *Texts:* Picard and Black, *Manuel de conversation française* (Heath); Eugène Billaudeau, *Le Français tel qu'on le parle* (Oxford Univ. Press).

B70. PRACTICE OF SPOKEN FRENCH. Mr. M. Rabotin, Department of Romance Languages. 25 periods of 1½ hours, Tuesdays at 8 p.m., beginning October 6th. Arts Building. Fee $38.00. Class limited to 25.

This purely oral course (to be given in French) is meant for the students who passed the Intermediate Conversation level but are not fluent enough to take the Advanced Conversation. It has been planned to give an intensive training in the main elements of conversational French. Class work will aim at developing fluency through exercises in aural comprehension, and will include the study of French speech habits and discussions on prepared topics. *Texts:* P. Delattre, *An Introduction to French Speech Habits* (Holt); J. Landry, *Graded French Word and Idiom Book* (Heath).

GERMAN

CERTIFICATE OF PROFICIENCY IN GERMAN. A Certificate of Proficiency in German will be given upon the successful completion of the graded courses described below to those students who wish to undergo special examinations in oral and written German. Other students may pass an examination for a simple Pass Certificate. A student who has studied German at another university may be granted credit and be permitted to enter either the Second or the Third year of the course.

BEGINNERS' GERMAN (1st year). Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course offers a brief survey of German grammar and an introduction to the spoken and written language through the medium of an easy text. Oral German is stressed from the beginning and the pupil is encouraged to use the language as much as possible. *Text:* H. A. Guerber, *Märchen und Erzhalungen* (Heath).

B71. Professor Bertha Meyer, Department of German. Tuesdays at 6:30 p.m., beginning October 6th.

B72. Mrs. Gertrud Mladenovic. Wednesdays at 6:30 p.m., beginning October 7th.

B73. GERMAN INTERMEDIATE (2nd year). Mrs. Gertrud Mladenovic. 25 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 8th. Arts Building. Fee $38.00. Class limited.

This course offers the student the opportunity to continue the practice of spoken and written German and to attain some degree of fluency and correctness in the language. Such discussion of grammar and syntax as are found necessary will be given. Conversation will be encouraged. *Texts:* Stroebe, *Vom Alltag zur Literatur* (Holt); Fabrizius, *Wer zuletzt lacht . . .* (Appleton-Century-Crofts).

B74 and B75. GERMAN ADVANCED (3rd and 4th years). Mrs. Gertrud Mladenovic. 25 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 5th. Arts Building. Fee $38.00. Class limited.

This course will be conducted in German as far as possible. Through the medium of modern texts the idiom of colloquial German will be practised and special attention will be paid to developing fluent conversation and correctness in writing and translating original German and English texts. Students who want to obtain a Certificate of Proficiency are required to study additional texts. *Texts:* Loram and Phelps, *Aus unserer Zeit* (Norton); Stroebe, *Vom Alltag zur Literatur* (Holt).

ITALIAN

B76. ITALIAN ELEMENTARY: LANGUAGE AND CONVERSATION. Mrs. Anne Noad. 25 lectures of 1½ hours, Wednesdays at 6:30 p.m., beginning October 7th. Arts Building. Fee $38.00. Class limited.

This course is planned for beginners who have had no previous experience with the language. It aims at building a practical vocabulary for everyday use and, to that effect, uses the oral-aural approach almost exclusively for the first term. In conversational practice the emphasis will be laid on fluency rather than on grammatical correctness, grammar being presented in its functional form and limited to basic syntax. In the second term, the emphasis will be on commercial vocabulary. *Texts:* Cioffari, *Beginning Italian Grammar* (Heath); Cioffari and Van Horne, *Letture Varie* (Heath); Kany and Speroni, *Elementary Italian Conversation* (Heath); Cuthbertson, *Italian Verb Wheel* (Heath).

RUSSIAN

RUSSIAN ELEMENTARY (1st year). Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course will begin with the general characteristics of the Russian language, the alphabet and phonetic values of separate letters; accent; basic rules of grammar. There will be reading, oral and written exercises,

and translation into English and Russian of selected articles, accompanied by a gradual introduction to Russian culture and civilization. *Text:* G. A. Znamensky, *Conversational Russian* (Ginn).

B77. Mr. J. N. Westwood. Tuesdays at 8:15 p.m., beginning October 6th.

B78. Professor V. N. Litwinowicz. Mondays at 8:15 p.m., beginning October 5th.

B79. RUSSIAN INTERMEDIATE (2nd year). Professor V. N. Litwinowicz. 25 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 6th. Arts Building. Fee $38.00. Class limited to 25.

The course includes a rapid review and completion of twenty-five lessons in G. A. Znamensky's *Conversational Russian;* reading and translation of short stories from Chekhov; simple narratives of Russian life and customs; grammar and oral exercises. *Texts:* G. A. Znamensky, *Conversational Russian* (Ginn); Birkett and Struve, *Chekhov Selections* (Oxford).

SPANISH

A CERTIFICATE OF PROFICIENCY IN SPANISH will be granted on the successful completion of the graduated courses, extending over four years, described below. A mark of 75 percent or higher must be obtained in the Fourth year examination in order to gain the Certificate of Proficiency. Those who have studied Spanish at some other institution may be granted credit for one or more years depending on the progress they have made.

SPANISH ELEMENTARY (1st year): Conversation and Composition. Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

A beginner's course designed to teach students to read, write and speak Spanish, and to become conversant with the main grammatical principles of the language. Ample practice will be given in written work by means of translations and dictation. Students will be given considerable practice in oral work, particular importance being attached to self-expression, so as to prepare them for the Second year course, which is conducted largely in Spanish. *Texts:* Fernandez and Hayes, *Beginning Spanish* (Houghton, Mifflin); Rogers and Centeno, *Patterns of Spanish Conversation* (Houghton, Mifflin); Timms, *Poco a poco* (Univ. of London Press).

B80. Professor Robina E. Henry, Department of Romance Languages. Thursdays at 6:30 p.m., beginning October 8th.

B81. Professor Monica Harvey, Department of Romance Languages. Thursdays at 8:15 p.m., beginning October 8th.

B82. SPANISH ELEMENTARY (1st year): Conversation and Composition. Professor Gaston F. Stegen, Department of Romance Languages. 25 periods of 1½ hours, Tuesdays at 6:30 p.m., beginning October 6th. Arts Building. Fee $38.00. Class limited to 25.

A beginner's course which is designed to make the student conversant with the main grammatical principles, pronunciation and everyday vocabulary of the Spanish language. Practice is given in reading, writing and conversation, particular emphasis being placed on oral work. In the second half of the course, classes are conducted as far as possible in Spanish. *Texts:* D. D. Walsh, *A Brief Introduction to Spanish* (Norton); Crow and Crow, *Panorama de las Américas* (Henry Holt).

Applicants must indicate clearly, when registering, which of the three elementary classes they wish to take.

B83. SPANISH INTERMEDIATE (2nd year): Conversation and Composition. Professor Gaston F. Stegen, Department of Romance Languages. 25 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 6th. Arts Building. Fee $38.00. *Class limited to 25 students. Prerequisite:* at least one year's study of the Spanish language.

This course presents a rapid and effiective method of study for students of Spanish who have mastered the main elements of grammar and pronunciation. Considerable written practice is given in grammar and syntax by means of translations and compositions. Particular importance is attached to oral work, and the course is conducted in Spanish. As an introduction to the study of Spanish literature, the course includes the reading and discussion of a novel. *Texts:* Tarr and Centeno, *A Graded Spanish Review Grammar and Composition* (Appleton-Century-Crofts); Leavitt and Stoudemire, *Tesoro de lecturas* (Holt).

B84 and B85. SPANISH ADVANCED (3rd year) and SPANISH FINAL (4th year). Conversation, Composition and Literature. October to December, lecturer to be announced; January to April, Professor L. B. Harrop, Department of Romance Languages. 25 lectures of 1½ hours, Thursdays at 8:15 p.m., beginning October 8th. Arts Building. Fee $38.00. *Class limited to 25 students. Prerequisite:* two or three years of Spanish studies at McGill, or equivalent studies elsewhere.

This combined Third and Fourth year course includes advanced composition, pronunciation and conversation, intonation drills, the reading of short stories, novels and plays, a brief account of Spanish civilization,

and modern Spanish idiom. *In the 1959-60 Session, special attention will be paid to Spanish writers of the last eighty years.* Those who are in their Fourth year of Certificate of Proficiency studies are required to do additional work as indicated below. *Texts:* Tarr and Centeno, *A Graded Spanish Review Grammar and Composition* (Appleton-Century-Crofts); Harrop, *Notes on Spanish Pronunciation;* Levy, *Present-Day Spanish* (Dryden); Brady and Turk, *Cuentos y Comedias de España* (H.M.Co.); Palacio Valdés, *José* (Austral); Pérez Galdós, *Doña Perfecta* (Contemporánea); Harrop, *Graded Spanish Comprehension Pieces; Spanish Phonetic Reader;* Espinosa, *España* (Oxford). Additional text for 4th year: *An Omnibus of Modern Spanish Prose* (Odyssey). Fourth year students also study the history of the 19th Century Novel in Spain.

B86. THE INDUSTRIAL AND MEDICAL USES OF RADIOACTIVE ISOTOPES. Dr. L. Yaffe, Dr. L. G. Stephens-Newsham, Dr. R. M. Cunningham. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 7th. New Engineering Building. Fee $40.00.

The basic chemical and physical information needed for an understanding of the phenomenon of radioactivity will be given. This will be followed by discussions of the various methods of separation, measurement, and detection of radioactive isotopes. Precautions in the handling of radioactive materials, health tolerances, design of laboratories for use of radioactive isotopes will be discussed. Examples will be given of the use of radioactive isotopes in industry dealing with the application in research, development and process control.

Principles of use of radioactive isotopes in biological investigation and in medical diagnosis and therapy will be covered. These will include dosage calculations and radio-biology from the viewpoint of therapy or health hazards, clinical diagnostic use of isotopes, such as radio-iodine in thyroid studies, body fluid volume measurements, metabolic investigations and techniques of tumour localization. Examples of applications of radioactive tracers to biological research problems will be given.

B90. NURSING IN THE COMMUNITY. Miss Kathleen L. Macdonald, School for Graduate Nurses. 10 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 5th. Arts Building. Fee $15.00. *Registration restricted to graduate nurses.*

This course is designed for nurses working in hospitals, industry, visiting nurses' associations, health departments and specialized services. The course considers health needs in Canada, present resources, trends in medical-care plans, work of community health agencies and the integration of hospital and public health services.

B91. MENTAL HEALTH IN NURSING. Mrs. Helen M. Gemeroy, School for Graduate Nurses. 10 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 6th. Arts Building. Fee $15.00. *Registration restricted to Graduate Nurses.*

In this course a study will be made of phases of human development as they relate to times of stress and periods of crisis in the life of the individual. Discussions centre upon the role of the nurse and of nursing in the promotion of positive mental health. This course is planned for nurses practising in any capacity in hospitals, schools of nursing, clinics, or community health agencies.

SECTION C
COURSES IN ACCOUNTANCY
(IN COOPERATION WITH THE SCHOOL OF COMMERCE)

In cooperation with the School of Commerce, the Extension Department offers an evening course program in Accountancy and allied subjects to meet the needs of those interested in such training. This program provides the curricular requirements for Commerce graduates proceeding to the Licentiate in Accountancy; for students of the Institute of Chartered Accountants of the Province of Quebec proceeding to the C.A. diploma; for students proceeding to the diploma of the Society of Industrial and Cost Accountants; for students of the Chartered Institute of Secretaries; and for students of the General Accountants' Association.

Students must plan their courses in accordance with the requirements of the diploma for which they are working. No student may take more than six class hours per week, four being generally preferable.

ADMISSION

Candidates for the C.A. diploma (see page 3939) must have at least junior matriculation standing and are required to submit their High School certificate to the Registrar of the University for evaluation prior to enrolment for the courses. A form obtainable from the Institute of Chartered Accountants must accompany this submission, together with cheque for $2.00 made out to McGill University. Do *not* send your certificate to the Extension Office. The requirements for admission to other diploma courses will be found on pages 3940, 3941.

Students without training or experience in accounting and auditing will be required to follow the syllabus of courses in the order shown in Table I. The examinations in the courses constituting each year must

be passed (the pass mark is 60%) before proceeding to the courses of the succeeding year.

Students with previous training or experience in accounting and auditing may be permitted to register at an advanced level. Application for admission to advanced standing must be made in writing to Professor K. F. Byrd, Purvis Hall, McGill University. Evidence to substantiate one's claims must accompany this letter.

ATTENDANCE

Regular attendance at lectures is required. A student who has been absent through illness must present a medical certificate at the next lecture he attends. If he has been sent out of town on business, a letter from his employer is required, for first-term absences, not later than the first lecture after Christmas, and for second-term absences by the last lecture of the academic year. The signature of an authoritative individual is required, not merely the firm name, and the letter must be handed to the lecturer or demonstrator; it must not be sent to the Extension Department. Students whose unexcused absences exceed one-eighth of the lectures will not be permitted to write the examinations.

REGISTRATION

Registration and payment of fees *by mail* begins on Tuesday, September 1st, 1959, and students are urged to register early by this means. On Wednesday, September 16th, and Wednesday, September 23rd, Professor Kenneth F. Byrd will be available in the Arts Building from 6 to 9 p.m. for consideration of special cases requiring exemptions, examination of certificates, etc. Registration of special cases will be deferred until these dates. Prospective students arriving in Canada after September 23rd should write immediately to Professor Byrd.

Candidates for the R.I.A. Two evenings have been set aside, Monday, September 14th, and Monday, September 21st, from 5:30 to 8:30 p.m., for interview and registration of students wishing to proceed to the R.I.A. Diploma. *ALL R.I.A. students must register on one or other of these evenings.*

On these evenings, representatives from the Educational Committee of the Society of Industrial and Cost Accountants of Quebec and representatives from the McGill Extension Department will be present to advise and register students and receive course fees. Candidates for the R.I.A. will be given the opportunity of becoming Student Members of the S.I.C.A. and of subscribing to the Society Journal. In addition to course fees, the student will require approximately $25.00 for books, lesson notes and student membership in the Society.

TABLE I. COURSES OF INSTRUCTION FOR THE EXAMINATIONS OF VARIOUS ORGANIZATIONS

	McGill University Licentiate in Accountancy (for B.Com. only)	Institute of Chartered Accountants of Quebec	Society of Industrial and Cost Accountants*	Chartered Institute of Secretaries	General Accountants' Association
	Year	Year	Year	Year	Year
C111 Mathematics of Finance	..	1	1	..	1
C141 General Economics	..	1	..	..	1
C151 Labour and Industrial Legislation	..	..	1	..	..
C161 Elements of Accounting	..	1	1	1	1
C221 Industrial Management	..	..	2	..	4
C231 Commercial Law	..	2	..	..	2
C251 Industrial Organization	..	2	..	..	..
C261 Intermediate Accounting, Part I	..	2	2	2	2
C351 Fundamentals of Cost Accounting	..	..	3	..	..
C361 Intermediate Accounting, Part II	..	3	3	3	3
C362 Intermediate Auditing	..	3	..	..	3
C451 Advanced Cost Accounting	..	..	4	..	..
C461 Final Accounting and Auditing, Part 1A	1	4	..	..	4
C462 Final Accounting and Auditing, Part 1B	1	4	..	..	4
C561 Final Accounting and Auditing, Part IIA	2	5	..	..	5
C562 Final Accounting and Auditing Part 11B	2	5	..	..	5

Note: The years indicated are intended as a general guide and are not be to regarded as necessarily applicable in all circumstances.

*All students who joined the Society after July 1st, 1957, must follow this new curriculum. (See page 3940.)

Day Registration in person will be on the fourth floor, Dawson Hall from 9 a.m. to 4 p.m., Tuesday, September 8th, to Tuesday, October 13th, inclusive.

Evening Registration in person will be in the Registrar's Office on the ground floor, Dawson Hall, from 6 to 8.30 p.m., on Monday and Wednesday from September 14th to October 7th.

Late Registration Fee: A late fee of $5.00 for each course will be charged on all registrations after October 14th. Registration will be closed for all courses on November 2nd.

TEXTBOOKS

Information concerning textbooks and multigraphed notes required in the courses may be obtained from the lecturer at the first lecture.

PROBLEM ASSIGNMENTS AND CLASS TESTS IN ACCOUNTING AND AUDITING COURSES

There will be problem assignments each week which will be turned in by the student and recorded. Assignments mailed by students must be sent to the demonstrator's business or home address; *no mail will be forwarded by the Extension Office.* A number of assignments will be marked during the year and these will count for 15 percent of the final mark. There will also be a class test during the year which will count for another 15 percent. The examination at the end of the course will count for 70 percent of the year's work. Supplemental examinations will be marked out of 100—credit gained on problems and class tests being no longer applicable.

SPRING EXAMINATIONS

An examination in each course will be held in the spring. The pass mark in each examination is 60 percent. Candidates who fail to pass the examination in the spring will be permitted to write a supplemental examination in August. Candidates failing to pass the latter examination will be required to repeat the course in which they have failed and will not be permitted to register in the succeeding course.

Examination results will be sent out by mail from the School of Commerce as soon as possible after each examination. *They cannot be obtained by telephoning.*

SUPPLEMENTAL EXAMINATIONS

Supplemental examinations will be held in late August for students who fail in any of the examinations in the spring. No student will be permitted to enter the courses in Intermediate Accounting, Parts I and II, Inter-

mediate Auditing, and Final Accounting and Auditing, Part I, without having passed all examinations in the accounting and auditing courses preceding, unless he has been specifically exempted therefrom.

All applications for re-examination must be made to the Director of the School of Commerce before August 15th, accompanied by a cheque for $10.00 made out to McGill University, and must include a statement as to the year in which the classes were taken.

DIPLOMA OF THE INSTITUTE OF CHARTERED ACCOUNTANTS OF QUEBEC

The Institute of Chartered Accountants of Quebec conducts its own qualifying examinations but requires that candidates must have previously passed the University examinations for the courses, as set out in Table I. As a prerequisite to recognition of these evening courses for admission to its own examinations the Institute requires the student to register with it and for this purpose the student must have obtained a junior matriculation standing recognized by McGill University. To obtain such recognition the student must present his matriculation certificate to the University Registrar before enrolment for the courses, together with a form obtained from the Institute and cheque for $2.00 made out to McGill University. See page 3935.

Details relative to registration, apprenticeship and other matters concerning the Institute may be obtained from

The Institute of Chartered Accountants of Quebec,
Chartered Accountants Building,
630 Lagauchetiere Street West,
Montreal.
C. D. Mellor, C.A., Executive Secretary.

The normal plan of studies for one who attempts to obtain a diploma requires five years, paralleling the five years of apprenticeship in the office of a practising chartered accountant.

Examinations

The Institute of Chartered Accountants of Quebec has two sets of qualifying examinations: Intermediate Accounting and Auditing, and Final Accounting and Auditing. Both sets of examinations are held annually in October. These examinations are conducted by the Institute under its own regulations. Applications to sit for these examinations must be made to the Secretary of the Institute, with proof that the necessary requirements have been met.

The Intermediate Accounting and Auditing examinations consist of four papers and are normally taken after three years of evening study.

Before sitting for these examinations, the candidate must have passed the following course examinations:

Elements of Accounting
Intermediate Accounting, Part I
Intermediate Accounting, Part II, and Intermediate Auditing
Mathematics of Finance
Commercial Law
Economics
Industrial Organization

In practice the Institute allows students who have written and failed in *one* only of the non-accounting courses to carry that course forward as a supplemental until after he has written his Intermediate C.A. examination for the first time. If he fails in that examination he is not then allowed to sit again until he has passed the supplemental examination in the course carried forward.

The Final Accounting and Auditing examinations consist of six papers, three in Accounting and three in Auditing, and are taken only after all of the course examinations have been passed.

DIPLOMA OF THE SOCIETY OF INDUSTRIAL AND COST ACCOUNTANTS

The Society of Industrial and Cost Accountants has three sets of qualifying examinations for its diploma, Registered Industrial Accountant (R.I.A.). The revised curriculum is as follows:

PRIMARY

Business Mathematics (½ course, available by correspondence course, summer 1959)
Accounting I
Industrial Legislation

INTERMEDIATE

Accounting II
Industrial Organization and Management

FINAL

Accounting III
Fundamentals of Cost Accounting
Advanced Cost Accounting
Managerial Statistics (½)
Report Writing (½)
Thesis

The new curriculum will go into effect by stages. The requirements of the primary year have been altered effective with the session 1957-58; the requirements of the intermediate year have been altered effective the session 1958-59; and so on. Because this changeover is by stages, a few students may be slightly inconvenienced. The new courses of the final years, for example, will not be available immediately; consequently, students may have to alter the normal sequence of their courses or, in the rare instance, postpone a course until it becomes available. For the great majority of new students the changeover will coincide with their annual progress, and they will therefore automatically follow the new curriculum.

The student may prepare for the qualifying examinations by following the courses shown under this heading in Table I.

Particulars may be obtained from Professor D. R. Patton, Chairman of the Co-ordinating Educational Committee of the Society, WE. 3-7362.

OTHER ASSOCIATIONS

For information about the Chartered Institute of Secretaries, write or telephone the Honorary Secretary, P. T. R. Pugsley, Suite 14, The Linton, 1509 Sherbrooke Street West. Telephone WE. 3-7362.

The General Accountants' Association provides for two sets of qualifying examinations: (a) Intermediate and (b) Final, leading to its diploma. For further details, telephone the Secretary, James G. Finnie, C.G.A., 5336 Queen Mary Road, Montreal. Telephone HU. 9-3232.

COURSES IN ACCOUNTING, AUDITING AND RELATED SUBJECTS

C111. MATHEMATICS OF FINANCE. Professors Herbert Tate, C. D. Solin and B. A. Rattray. 25 lectures of 2 hours each, Wednesdays at 6 p.m., beginning September 30th. Arts Building. Fee $50.00.

Syllabus: Review of fundamentals, logarithms, arithmetic and geometric progressions. Percentage, simple and compound interest, averaging accounts, annuities certain, sinking funds, perpetuities and capitalization, bonds, amortization tables, instalment purchases, depreciation, simple business statistics. *Texts:* H. Tate, *Elementary Mathematical Analysis* (Pitman); *Mathematical Theory of Interest* (Pitman).

C141. GENERAL ECONOMICS. Messrs. L. Simcoe and H. C. Byleveld. 25 lectures of 2 hours each, one evening per week at 8 p.m., Mondays beginning September 28th or Wednesdays beginning September 30th. Arts Building. Fee $50.00.

Syllabus: Employment and income theory; government fiscal policy; money, banking and monetary controls; competition, monopoly, and international trade. *Text:* Samuelson, *Economics*, 4th edition (McGraw-Hill).

C151. LABOUR AND INDUSTRIAL LEGISLATION. Mr. Marc C. Lapointe. 25 lectures of 2 hours each, Mondays at 6 p.m., beginning September 28th. Arts Building. Fee $50.00.

Syllabus: General provisions of the civil law concerning legal relationship between employers and employees. Individual contracts between employers and employee. Contractual Relationship and Government Regulations: Collective labour agreements governed by the Professional Syndicates Act; agreements governed by the Labour Relations Act; individual contracts governed by the Minimum Wage Act; the Quebec Trade Disputes Act, the Public Services Employees Disputes Act, and the act respecting municipal and school corporations and their employees; labour unions and employers' associations—their certification, negotiation, conciliation, arbitration; the Provincial and Federal laws governing strikes and lock-outs. Ancillary Laws: Review of the so-called social laws. Each lecture will be followed by a practical application of the theory presented. *Text: Code of Labour and Industrial Laws*, 1958 edition (G. Francq).

C161. ELEMENTS OF ACCOUNTING. Messrs. Kenneth C. Fincham, A. H. Howson, G. D. Rediker and D. H. Ladd. 25 lectures of 2 hours each, one evening per week at 6 p.m., Mondays beginning September 28th or Tuesdays beginning September 29th. Arts Building. Fee $50.00. *A pass in this course is prerequisite to Intermediate Accounting, Part I.*

Syllabus: Introduction to Books of Account and Financial Statements; theory of debit and credit; principles of double entry; the accounting cycle; recording of transactions in the general journal and general ledger; principles of control accounts; Accounts Receivable and Accounts Payable ledgers; provision for bad debts and cash discounts; use of special books of original entry including cash receipts and cash payment books, cheque register, sales and purchase journals and voucher register; distinction between capital and revenue expenditure; accounting for petty cash; bank reconciliation statements; notes and bills of exchange; inventories; preparation of Profit and Loss Accounts or statements and Balance Sheets, with adjusting and closing entries.

Text: Finney and Miller, *Principles of Accounting—Introductory*, 5th edition, Canadian version (Prentice-Hall).

C221. INDUSTRIAL MANAGEMENT. (R.I.A. students.) Mr. T. C. Arnold. 25 lectures of 2 hours each, Mondays at 8 p.m., beginning September 28th. Arts Building. Fee $50.00.

This course is designed to provide an introduction to the broad aspects of corporate management. The course includes material on planning and financing of an enterprise, internal organization, methods and control in factory operations, industrial relations, marketing and sales administration, etc. *Text:* Bethel, Atwater, Smith and Stackman, *Principles of Industrial Organization and Management* (McGraw-Hill).

C231. COMMERCIAL LAW. Mr. R. Stewart Willis. 25 lectures of 2 hours each, Thursdays at 8 p.m., beginning October 1st. Arts Building. Fee $50.00.

Syllabus: Law of contracts, sale, agency, partnership, company law, negotiable instruments, and bankruptcy.

Texts: Civil Code; British North America Act (consolidation); Canada *Companies Act* and *Quebec Companies Act; Bankruptcy Act.*

C251. INDUSTRIAL ORGANIZATION. (C.A. students.) Mr. J. P. Van Gigch. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning September 29th. Arts Building. Fee $50.00.

This course is designed to give the student an understanding of the complexities of managing an industrial enterprise and familiarize him with the development of sound policies as well as the judicial appraisal of their effectiveness. Through discussion of case material, problems arising in business administration will be illustrated. Areas dealt with will include principles of organization; differentiation of the various business activities according to their function, i.e., finance, sales, production personnel, etc.; major specific responsibilities of top management; evaluation of a company's situation; determination of objectives; policy making; controls, etc. *Texts:* Jamison, *Business Policy* (Prentice-Hall); Cruickshank and Davis, *Cases in Management* (Irwin), revised edition, 1958.

C261. INTERMEDIATE ACCOUNTING (PART 1). Messrs. G. D. Boyd, P. M. Brophey and M. A. Miller. 25 lectures of 2 hours each, one evening per week at 6 p.m.: Tuesdays beginning September 29th or Thursdays beginning October 1st. Arts Building. Fee $50.00. *A pass in this course is prerequisite to Intermediate Accounting (Part II).*

Syllabus: Revision of the work of the First year at a more advanced level. Partnerships: accounting for formation, distribution of profits; admission and withdrawal of partners including treatment of goodwill and bonus; partnership dissolution and liquidation; default of a partner;

sale of a partnership to a limited company. Manufacturing accounts and statements; the elements of cost; periodic and perpetual inventories; transfer of goods to trading department at a price in excess of factory cost and adjustment of inventories. Single entry; books and accounts required; preparation of financial statements from single entry data; conversion to double entry.

Texts: Smails, *Accounting Principles and Practice* (Ryerson); Finney and Miller, *Principles of Accounting, Intermediate*—Canadian edition (Prentice-Hall); *Companies Act (Canada)* (Queen's Printer).

C351. FUNDAMENTALS OF COST ACCOUNTING. Lecturer to be announced. 20 lectures of 2 hours each, Tuesdays at 8 p.m., beginning September 29th. Arts Building. Fee $40.00.

Syllabus: Purposes of cost accounting; elements of cost; process cost systems; job cost systems; controlling accounts and the cost records; accounting for materials; material storage and consumption; perpetual inventories and stores control; valuation of materials; accounting for labor cost; wage systems; accounting for manufacturing expense; distribution of manufacturing expense to production; the cost to make and sell; sundry forms; monthly closing entries; preparations of operating and financial statements; cost reports. *Text:* Matz, Curry and Frank, *Cost Accounting* (South-Western).

C361. INTERMEDIATE ACCOUNTING (PART II). Professor A. R. Marshall and Mr. Donald W. Cook. 25 lectures of 2 hours each, Thursdays at 6 p.m., beginning October 1st. Arts Building. Fee $50.00.

Syllabus: More advanced treatment of the work of the first two years. Consignment accounts; joint ventures; instalment sales; branch accounts. Financial statements: analysis and interpretation, methods of presentation, statements of source and application of funds. Reconstruction and reorganization of limited companies; mergers and amalgamations; holding companies and subsidiaries; minority interests. Consolidated statements.

Texts: Karrenbrock and Simons, *Intermediate Accounting—Standard Volume*, and *Advanced Accounting—Comprehensive Volume* (South Western).

C362. INTERMEDIATE AUDITING. Professor A. R. Marshall and Mr. I. R. Sterling. 25 lectures of 2 hours each, Tuesdays at 6 p.m., beginning September 29th. Arts Building. Fee $50.00.

Syllabus: Section 1, Auditing Fundamentals—Nature and purpose of auditing; ethics and responsibilities of auditors; errors and fraud, internal audit and control, types and uses of evidence, sampling, audit techniques, programmes and working papers. *Section 2, Audit Procedures*—Original records, assets, liabilities, owner's equity, income and expense accounts. *Section 3, Auditors' Report*—Dominion Companies Act requirements; Canadian Institute of Chartered Accountants' research bulletins; statement presentation and analysis; reports; Canadian, British and American legal cases on auditors' duties. Note.—The student is recommended to refer also to bulletins of the accountancy profession in the United States and Great Britain. *Texts:* Holmes, *Basic Auditing Principles* (Irwin); Smails, *Auditing* (Pitman).

C451. ADVANCED COST ACCOUNTING. Mr. Ronald Gallay. 20 lectures of 2 hours each, Mondays at 6 p.m., beginning September 28th. Arts Building. Fee $40.00.

This course is designed for those having a fundamental knowledge of Cost Accounting principles and procedure. It covers advanced instructions in costing problems, records, and practices, and cost accounting in relation to inventories, budgetary control, and other devices of the various departments of a business, including the following: estimating cost systems; principles of standard costs; standard cost procedure; variances; cost ratios; budgetary control; static and variable budgets; differential cost analysis; special considerations and debatable methods; distribution and marketing costs; cost reports; graphic charts; machine accounting; current cost developments. *Text:* Matz, Curry and Frank, *Cost Accounting* (South-Western).

FINAL ACCOUNTING AND AUDITING, PART I. (Part I should be passed before the student takes Part II.)

C461. PART 1A. Lecturer to be announced. Licentiate students: Mr. J. Richer. 25 lectures of 2 hours each, Tuesdays at 6 p.m., beginning September 29th. New Engineering Building. Fee $50.00.

Note: Lectures up to the date of the Intermediate C.A. examinations in mid-October will revise for those examinations.

Auditing and Investigations. Further treatment of the work of the Third year. Investigations for fraud; certification of profits for prospectus purposes; investigations for sale of business by sole traders, partnerships, limited companies, with valuation of goodwill; valuation of shares; schemes of conversion to limited company; schemes of amalgamation (consolidation) and absorption (merger); pooling schemes; schemes of reorganization and reconstruction.

Income Tax, Bankruptcy and Liquidation, Executorship Accounts

Income Tax: Principles and legal provisions (Dominion and Provincial) and their application to the problems of assessment of individuals, partnerships, and limited companies. Particular attention to the loss carry-back and carry-forward provisions, the treatment of capital cost allowances, the avoidance of double taxation of undistributed income, personal corporations. Payments of tax by individuals, partnerships, and limited companies. Objections and appeals: the income tax special court and higher courts.

Bankruptcy and Liquidation: Receiver's accounts; the marshalling of assets and liabilities; the statement of affairs; statement of realization and liquidation; the duties of the trustee.

Executorship Accounts: Accounting for capital and income in deceased estates; statements of charge and discharge; calculation of succession duties (Dominion).

Texts: Stettler, *Auditing Principles* (Prentice-Hall); J. Palen, *Report Writing for Accountants* (Prentice-Hall); Gilmour, *Income Tax Handbook* (DeBoo); *Income Tax Act* (*Consolidated*) (C.C.H.); *Bankruptcy Act, 1949* (Queen's Printer); *Estate Tax Act* (Queen's Printer).

C462. PART 1B. Mr. P. P. Aspinall. Licentiate students: lecturer to be announced. 25 lectures of 2 hours each, one evening per week at 6 p.m.: Mondays beginning September 28th (Arts Building); Thursdays beginning October 1st *for Licentiates only* (New Engineering Building). Fee $50.00.

Note: Lectures up to the date of the Intermediate C.A. examinations in mid-October will revise for those examinations.

Advanced Accounting. Further treatment of the work of Third year. Foreign branch accounts. Preparation of consolidated accounts of Holding and Subsidiary Companies, including sub-subsidiaries. More advanced treatment of amalgamations (consolidations) and absorptions (mergers), including inter-company holdings; accounting for capital reorganization and reconstruction. Advanced accounting theory in general.

Cost Accounting. Definition of cost accounting, its aims and objects, elements of cost accounting for the purchase, storage and issue of materials; accounting for labour; schemes of remuneration of labour including incentive schemes, co-partnership and profit-sharing; accounting for overheads, with methods of apportionment to departments, and production; double entry cost accounting; job costs; process costs; estimating cost systems; standard costs and accounting for variances; closing the accounts at balance sheet date, preparation of operating statements.

Budgetary Control. Preparation of the budget including flexible budgets.

Texts: Matz, Curry and Frank, *Cost Accounting*, 2nd edition (South-Western); and, for Licentiate students only, Finney and Miller, *Principles of Accounting—Advanced* (Prentice-Hall).

FINAL ACCOUNTING AND AUDITING, PART II.

C561. PART IIA. Professor Kenneth F. Byrd. 25 lectures of 2 hours, Thursdays at 6 p.m., beginning October 1st. New Engineering Building. Fee $50.00.

Advanced accounting problems, including special reference to insurance companies, municipalities, stockbrokers, banks, and investment trusts. General revision and integration of the work of all years, including consolidated accounts and cost accounting.

Texts: Paton, *Corporation Accounts and Statements* (Macmillan); Matz, Curry and Frank, *Cost Accounting*, 2nd edition (South-Western).

C562. PART IIB. Lecturer to be announced. 25 lectures of 2 hours each, Tuesdays at 6 p.m., beginning September 29th. Arts Building. Fee $50.00.

More advanced treatment of the criticism of financial statements, reports and report writing, and general investigations; the drafting of schemes of amalgamation and merger, of conversion from partnership to limited company, and of capital reorganization; valuation of shares and goodwill. Revision and more advanced treatment of federal income and estate taxes.

Texts: Gilmour, *Income Tax Handbook* (DeBoo); *Income Tax Act Consolidated* (C.C.H.); *Estate Tax Act* (Queen's Printer).

Note; Passes in the examinations of Courses C461, C462, C561 and C562 are prerequisite to sitting for the final examinations in Accounting and Auditing of the Institute of Chartered Accountants of Quebec.

SECTION D

MANAGEMENT AND BUSINESS ADMINISTRATION

(IN COOPERATION WITH THE SCHOOL OF COMMERCE)

INTRODUCTION. Two groups of courses are offered in this section. The first group (A) is available to university graduates only and leads to a Diploma in Management and Business Administration. Individual courses may be taken by any graduate interested. The second group of courses (B) is available, without restriction, to everybody.

(A) CREDIT COURSES LEADING TO THE DIPLOMA

While all of the courses in this series are open to any graduate interested, a candidate for the diploma must complete a special application form obtainable from the Extension office and submit it when registering. Further, each diploma candidate must submit an official transcript of his undergraduate record before completion of his first year's work. No candidate for the diploma will be permitted to register for more than three courses a year, and students are advised to take not more than two.

REQUIREMENTS FOR THE DIPLOMA

(1) Candidates must have a B.A., B.Com., B.Eng., B.Sc., B.C.L. or equivalent degree.

(2) All candidates *must* complete nine courses with a mark of not less than 60 percent in any course. Six of these courses must be completed from the required list and three from the elective list.

(3) Exemptions from *required* courses will be considered for equivalent work already completed at McGill or elsewhere. In making application for exemptions the student must submit, in addition to the transcript of his academic record, a certified description of the content of the course taken elsewhere which he regards as equivalent. No credit will be granted for courses already taken at McGill or elsewhere.

(4) Elective courses may not be taken for credit until all courses pre-requisite to these electives have been completed.

EXAMINATION REGULATIONS. An examination will be held in the spring in each course in the diploma series. For course credit toward the diploma, the student must obtain at least 60 percent in each examination. Candidates for the diploma who fail to obtain 60 percent in the spring examination may write a supplemental examination in August. If the standing obtained in the supplemental examination is less than 60 percent, the student must repeat the course.

All applications for re-examination must be made in writing to the Director of University Extension before August 1st and be accompanied by a cheque for $10 (for each examination) made out to McGill University.

CURRICULUM—DIPLOMA IN MANAGEMENT AND BUSINESS ADMINISTRATION

Required Courses:

Year 1
- D1. Economic Analysis of Business
- D2. Principles of Accounting and Cost Determination
- D3. Administrative Practices
- D4. Mathematical Theory of Interest and Insurance*

Year 2 D5. Money and Banking
D6. Principles of Marketing
D7. Industrial Production*
One elective

Year 3 D8. Business Policy
Two electives

Electives: D9. Corporation Finance
D10. Investment Analysis
D11. Operations Research
D12. Business Statistics
D13. Sales and Marketing Management
D14. Economic Geography
D15. Science in Economic Life
D16. Personnel and Industrial Relations

*Must be taken by commerce graduates.

(B) NON-CREDIT COURSES

These courses are intended for non-graduates who are not eligible to attend courses in the Diploma series, but they may be taken by graduates.

D20. Administrative Procedures
D21. Personnel Administration
D22. Elements of Marketing
D23. Sales Organization
D24. Retail Management
D25. Canadian Income Tax
D26. Machine Accounting
D28. Organization and Management of Small Business

D1. ECONOMIC ANALYSIS OF BUSINESS. Professor Donald E. Armstrong, School of Commerce. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $50.00.

Syllabus: The classification of markets. The determination by the firm of demand, costs, and production. The formulation of policies regarding such matters as price, advertising, inventories, and packaging. *Text:* Spencer and Siegelman, *Managerial Economics: Decision Making and Forward Planning* (Irwin).

D2. PRINCIPLES OF ACCOUNTING AND COST DETERMINATION. Mr. E. H. Veinish, Veinish, Blauer & Co. 25 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 7th. New Engineering Building. Fee $50.00.

Syllabus: The meaning of accounting and its essential functions and scope; the relation of accounting to other fields, with particular reference to economics; effect of changing dollar valuation on financial reports; analysis of financial statements. The financial picture of business enterprises as revealed by the accountant. Methods of financing capital requirements. Principles of cost accounting and its relation to general accounting; consideration of the elements of cost, materials, labour and overhead expenses, and their control; essential principles of standard costing and budgetary control. *Text:* Easton and Newton, *Accounting and the Analysis of Financial Data* (McGraw-Hill).

D3. ADMINISTRATIVE PRACTICES. Three classes of 25 2-hour lectures. Mr. Alexander Winn, Aluminum Company of Canada: Mondays at 6 p.m., beginning October 5th; Tuesdays at 8 p.m., beginning October 6th. Mr. G. H. Guest, Canadian Industries Limited: Thursdays at 6 p.m., beginning October 8th. New Engineering Building. Fee $50.00 each class. *Applicants must indicate clearly, when registering, the class they wish to take.*

The general purpose of Administrative Practices is to provide each student with an opportunity to develop, as far as he as an individual can, an attitude or way of thinking about human situations in business which is essential for effective administration. Classroom work will consist principally of analysis and discussion of numerous concrete cases which describe business situations, including the people involved, their actions, their relationships, and the conflicts that may stem from their differing values. In the course of class discussion students are presented with repeated occasions for enhancing their ability to perceive interrelationships of complex human, technical, and economic consequences of these actions. The student should progress toward a better understanding of the fact that the administrator lives and acts in a world of many values which are both persistent and changing, and often in conflict. The overall expectation is that the student will achieve growing competence in integrating differences among persons, groups, objectives, and ideals within an organization. *Text:* Glover and Hower, *The Administrator* (Irwin).

D4. MATHEMATICAL THEORY OF INTEREST AND INSURANCE. Dr. L. F. S. Ritcey, Canadian Mathematical Congress. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $50.00.

This course deals with the general principles and problems involved in mathematics as applied to finance and involves a study of the general nature of insurance.

Syllabus: Simple and compound interest, annuities, amortization, sinking funds, depreciation, capitalized cost, bonds, life annuities, life assurances, insurance reserves, underwriting of insurance, general principles of casualty insurance, social security including health insurance, unemployment insurance and pension planning. *Texts:* Larsen and Gaumitz, *Introduction to Life Contingencies;* Regal and Miller, *Insurance Principles and Practices* (Prentice-Hall); L. F. S. Ritcey, mimeographed notes on *Mathematics of Finance.*

D5. **MONEY AND BANKING.** Mr. I. D. Pal, Department of Economics and Political Science. 25 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 7th. New Engineering Building. Fee $50.00.

Syllabus: Evolution of money and credit; banks and their operations; value of money; problems of economic stability; objectives of monetary policy. Canadian banking system and problems of Canadian monetary policy. Foreign exchanges; international payments; international monetary policy. *Texts:* George N. Halm, *Economics of Money and Banking* (Irwin); R. Craig McIver, *Canadian Monetary, Banking and Fiscal Development* (Macmillan).

D6. **PRINCIPLES OF MARKETING.** Mr. Norman J. Keesal, Red Comet of Canada Ltd. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $50.00.

This is a basic course dealing with the general elements of marketing and their application in constructing a practical marketing program. Each class period will be divided into two parts: the first hour will be devoted to general marketing principles and their application, presented by the lecturer, while the second hour will be given to group discussion through the extensive use of the case method, covering a wide range of specific marketing and sales problems. *Syllabus:* Market analysis, consumer motivation, product policy, marketing institutions, selection of channels of distribution, merchandising, market research, advertising, role and administration of salesmen, special sales promotion methods, pricing and the development of integrated marketing programs. *Text:* McNair, Brown, Leighton and English, *Problems in Marketing* (McGraw-Hill).

D7. **INDUSTRIAL PRODUCTION.** Mr. Donald A. Young, Foundation of Canada Engineering Corporation Ltd. 25 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. New Engineering Building. Fee $50.00.

This course will deal with the problems and methods of the production unit in its context as a part of a business organization. Specific case material drawn from industry will be used to focus attention on the nature of industrial production operations, with emphasis on the purchase and supply of raw materials, labor supply and administration, job standards and wage payment methods, plant location and layout, product development, production planning and scheduling, cost and quality control. *Text:* Franklin E. Folts, *Introduction to Industrial Management* (McGraw-Hill).

D8. BUSINESS POLICY. Professor W. H. Pugsley, School of Commerce. 25 lectures of 2 hours, Thursdays at 8 p.m., beginning October 8th. New Engineering Building. Fee $50.00.

Business Policy covers the fields of policy-making and administration at the level where objectives are set for the Company as a whole, and departmental policies and activities are co-ordinated. Selected business case histories will be dealt with covering the top management viewpoint: problems, policies, plans and personalities; sizing up situations: formulating policies and planning programs of action; organizing administrative personnel and putting plans into action; control, day-to-day administrative problems, follow-up and reappraisal. Emphasis is placed on the over-all point of view to bring out how any section or department of a business will be managed to make the most effective contribution to the business as a whole. *Text:* Smith & Christensen, *Policy Formulation and Administration*, 3rd edition (Irwin).

D9. CORPORATION FINANCE. Mr. A. H. C. Lewis, Industrial Development Bank. 25 lectures of 2 hours, Thursdays at 6 p.m., beginning October 8th. New Engineering Building. Fee $50.00.

This course will include a detailed study of the field of Corporation Finance including the legal forms of business organization, formation and control of the Corporation, Corporation Stock, Corporation Bonds, factors determining the forms of capital structure, financial aspects of promotion, the organized security exchanges, and long and short term finance generally. Treatments for financial failure, including corporate merger, consolidation and reorganization, will also be studied. *Text:* Hunt, Williams and Donaldson, *Basic Business Finance* (Irwin).

D10. INVESTMENT ANALYSIS. Mr. S. A. Jarislowsky, Jarislowsky, Brown & Co. Ltd. 25 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 7th. New Engineering Building. Fee $50.00.

This course deals with security analysis and investment techniques, covering the different types and classes of securities. The sources of information, methods of compiling statistics, and assessment of comparative

values are discussed, together with portfolio objectives and differing philosophies of investment management. Broad economic trends, and international political climates affecting security values are analyzed. *Text:* Graham and Dodd, *Security Analysis* (McGraw-Hill).

D11. **OPERATIONS RESEARCH: TECHNIQUES, TOOLS AND APPLICATIONS.** Professor George S. Glinski, University of Ottawa. 25 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. New Engineering Building. Fee $50.00.

Syllabus: Principles of scientific method. Mathematical models. Techniques: linear programming, convex programming, dynamic programming, theory of games, time series and spectral analysis, queuing theory, Monte Carlo method, information theory, symbolic logic. Tools: Electronic computers as simulators of mathematical models, analog computers, digital computers. Applications: Inventory control, production control and scheduling, systems and procedures planning, marketing and sales planning, long-range planning. Organization for operation research. *Text:* Thomas L. Saaty, *Mathematical Methods of Operations Research* (McGraw-Hill).

D12. **BUSINESS STATISTICS.** Professor W. A. O'N. Waugh, Department of Mathematics. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $50.00.

Syllabus: Objectives and bases of statistical analysis; statistical data and its presentation; rates, ratios and percentages; arithmetic and geometric progressions; frequency distributions; measures of central tendency, dispersion and skewness; analysis of time series, seasonal secular, cyclical and irregular movements; index numbers; simple correlation; elementary sampling theory; applications of statistical methods to business and economic problems; sources of economic and social data. Elementary mathematics review and practice assignments will be provided. *Text:* Croxton and Cowden, *Practical Business Statistics*, 2nd ed. (Prentice-Hall).

D13. **SALES AND MARKETING MANAGEMENT.** Mr. D. N. Shefler, Red Comet (Canada) Ltd. 25 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 7th. New Engineering Building. Fee $50.00.

Syllabus: Application of the management approach to the fields of sales and marketing management. The subject matter is related to the managerial functions of planning, organizing, coordinating and controlling in terms of decision-making and policy formulation. Extensive use of case materials will be made to help create an atmosphere of business procedures in action while helping the individual to develop his own analytical ability, judgment and administrative prowess. *Text:* Still and Cundiff, *Sales Management, Decisions, Policies and Cases* (Prentice-Hall).

D14. ECONOMIC GEOGRAPHY. Professor T. L. Hills, Mr. George Michie, Department of Geography. 25 lectures of 2 hours, Thursdays at 6 p.m., beginning October 8th. New Engineering Building. Fee $50.00.

Syllabus: The influence of geographical factors on economic activities. A functional appraisal of resources both industrial and agricultural; the demands made upon these resources in the past. The location of industry, especially the iron and steel industry. The origins and development of modern agriculture. Crops, livestock and agricultural practices in the major agricultural regions of the world. The present state of the world's forestry industries. *Text:* E. W. Zimmermann, *World Resources and Industries* (Harper).

D15. SCIENCE IN ECONOMIC LIFE. Professor R. V. V. Nicholls, Department of Chemistry. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 6th. New Engineering Building. Fee $50.00.

This course is designed to give the student an understanding of the impact which science and technology have had upon economic life and of the manner in which they can be utilized to man's advantage. Some of the principal topics to be considered are: the special character of science, pure and applied; the general history of science and technology in Western Europe and North America; a detailed history of one applied science (chemistry) in Canada; the role of science in providing the necessities of life; the functions of research and development in commercial enterprises; patents; economic factors affecting the viability of manufacture; future prospects for novel materials and power sources.

D16. PERSONNEL AND INDUSTRIAL RELATIONS. Professor H. D. Woods, Director, Industrial Relations Centre. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $50.00.

This course will be concerned with the character of modern industry, the organization and functioning of management and of trade unions and the relationship between the two. The theory and techniques of personnel administration will be examined and appraised in the light of the human relationships in work situations. The trade unions and trade union groups and federations will be analyzed. The nature of industrial conflict, and the role of the state in law and dispute-settlement machinery, will be an important section of the course. *Texts:* Robert Dubin, *The World of Work* (Prentice-Hall); Neil Chamberlain, *Labour* (McGraw-Hill); H. D. Woods, *Patterns of Industrial Dispute Settlement* (Industrial Relations Centre, McGill University).

D20. ADMINISTRATIVE PROCEDURES. Mr. J. Peter Kohl, Devco Ltd. 25 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 7th. New Engineering Building. Fee $50.00. *Prerequisite:* High School Matriculation or supervision of at least three persons.

This course will be similar in content to Course D3, and the same text will be used.

D21. PERSONNEL ADMINISTRATION. Mr. J. E. Girvin, Canadian Pratt and Whitney Aircraft Co. Ltd. 10 lectures of 2 hours, Mondays at 6 p.m., beginning January 18th. Fee $20.00.

This course surveys the functions and activities normally included in the Personnel Department, with extensive discussion of the translation of principle into policy and policy into practice, and consideration of the merits and demerits of various specific techniques. *Text:* Scott, Clothier et al, *Personnel Management* (McGraw-Hill).

D22. ELEMENTS OF MARKETING. Mr. Gordon H. Lennard, The Canadian Bank of Commerce. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 6th. New Engineering Building. Fee $50.00.

Marketing coordinates all activities which are responsible for distributing goods from producer to consumer. This course will, therefore, deal with the nature and scope of marketing, influence of the consumer on marketing, channels of distribution, advertising, marketing research, sales management, pricing, brand policy, sales promotion and retailing through a series of lectures and case discussions of actual marketing problems. The purpose of the course is to outline basic marketing principles and practices and to develop an individual's ability in analyzing marketing problems. *Texts:* McNair and Hansen, *Problems in Marketing* and *Readings in Marketing* (McGraw-Hill).

D23. SALES ORGANIZATION. Mr. Richard L. Edsall, Marketing Consultant. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $50.00.

Syllabus: An analytical study of the techniques and policies employed in the operation of a sales organization. The approach is from the viewpoint of marketing executives of an enterprise. Extensive use will be made of lectures and case materials in considering the problems of merchandising, promoting, planning, organizing and controlling the sales activities of companies. *Text:* Canfield, *Sales Administration* (Prentice-Hall).

D24. RETAIL MANAGEMENT. Messrs. Harry Suffrin and M. S. Segall, Steinberg's Ltd. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 6th. New Engineering Building. Fee $50.00.

Syllabus: Opportunities in retailing; retailers in our economy; the retailer's customers; some retail policies; locating the store; the store building, fixtures and equipment; layout of the store; retail organization; buying to meet customers' wants; selecting merchandise resources and suitable merchandise; negotiations for merchandise; merchandise control; merchandise budget; pricing merchandise; retail sales promotion—advertising, display; customer services; retail personnel management; public relations; retail accounting; control of retail expenses; retail credit; retail insurance; co-ordination of the retail organization; review. *Texts:* Duncan and Phillips, *Retailing: Principles and Methods* (Irwin); Favill, *Selected Case Problems in Retailing* (Prentice-Hall).

D25. CANADIAN INCOME TAX. Mr. Charles McLaughlin, Canadian Industries Limited. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 5th. New Engineering Building. Fee $40.00.

Syllabus: The law and practice of Canadian Income Tax, Federal and Provincial. Computation of income with special consideration of deductions allowed and not allowed, capital cost allowances (depreciation) and business losses. Special problems of limited companies such as designated surplus, taxation of undistributed income, winding-up, reorganization, redemption of stock, stock dividends and amalgamation. Treatment of the income of estates and trusts. Taxation of non-residents. *Texts: Canadian Income Tax Act; Canadian Income Tax Regulations; Canadian Income Tax Problems* (CCH Canadian Ltd.).

D26. MACHINE ACCOUNTING. Mr. T. S. Kennedy, Canadair Limited. 10 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $20.00.

This course in Punched Card accounting is intended for students and others who have a sound knowledge of accounting principles. It is intended to show how problems attendant on a large volume of transactions or entries can be solved by the proper use of punch card machines and methods. Introductory sessions will be devoted to the background and development of punch card accounting and its advantages, as well as a discussion of the types of machines available. These will be followed by theoretical and case-history discussions on various accounting applications such as sales analysis, billing, inventory control, accounts receivable and payable, etc.

D28. ORGANIZATION AND MANAGEMENT OF SMALL BUSINESS. Mr. Bernard B. Lax, Dominion Securities Corporation. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $50.00.

This course involves a general study of the operation of small businesses, with particular attention to identifying business opportunities, and the development and organizational problems within the small firm. *Text:* Grimshaw, *Problems of the Independent Businessman* (McGraw-Hill).

SECTION E

COMMUNITY SERVICE COURSES

RAPID READING

E1. **RAPID READING.** Professor Margaret E. Nix, Department of Health and Social Medicine. 15 lectures of 1½ hours, Mondays and Thursdays at 6 p.m., beginning October 5th. New Engineering Building. Fee $23.00. Class limited to 40.

This course is designed to increase one's speed in reading. Those whose reading rate is approximately 200 words a minute can, with practice, double this rate by the end of course. *Text:* Stroud, Ammons and Bamman, 2nd edition, *Improving Reading Ability* (Appleton-Century-Crofts).

E2. **RAPID READING.** Identical with the above, but beginning January 18th.

E5. **PUBLIC SPEAKING.** Mr. V. G. Baker, Howard Smith Paper Mills Limited. 15 periods of 2 hours, Mondays at 8 p.m., beginning January 18th. Fee $30.00. Class limited.

The objective of this course is to set the student on the right path toward becoming a competent public speaker. The topics to be covered are: effective public speaking—what it is; how to overcome fear; speech preparation; speech delivery; a ten-word formula; constructive criticisms; analyzing your audience; impromptu speeches; speeches for special occasions; hints to a chairman; radio broadcast technique; books on effective speech. *Text:* V. G. Baker, *Notes on Public Speaking.*

E6. **SPEAKING IN PUBLIC.** Mr. Donald N. Byers, Q.C. 20 lectures of 1½ hours, Thursdays at 6:45 p.m., beginning October 8th. New Engineering Building. Fee $30.00. Class limited.

This course is primarily for people with no previous experience in public speaking and is designed to give the students as much practice in speaking as possible. Each lecture period will commence with a ten-minute address by the instructor, who will cover, amongst other

things, the preparation and delivery of a speech, how to introduce and thank speakers, the duties of a chairman, and procedure at meetings. During the course, in addition to the prepared speeches that students will be asked to give, they will also introduce and thank speakers and take part in short debates.

E7. **SPEAKING IN PUBLIC.** Identical with the above. Time: Thursdays at 8:15 p.m., beginning October 8th.

Applicants must indicate clearly, when registering, the class they wish to take.

E8. **HOW TO INVEST YOUR MONEY IN BONDS AND SHARES.** (In co-operation with the Education Committee of The Investment Dealers' Association of Canada.) Lecturers to be announced. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning January 21st. New Engineering Building. Fee $20.00.

This course has been designed to give the uninitiated a working knowledge of investment principles and practices. The course is suitable either for the person who knows little or nothing about investment or for the person who is already an investor and wishes to learn more about the subject. The various types of securities available in Canada will be described and analyzed. The lecturers will also discuss such topics as the development of an investment program, the management of the investment portfolio and the interpretation and use of financial statements.

Lectures will be of 45 minutes duration and will be followed by a question period.

E9. **MODERN PHARMACY SEMINARS.** Lecturers from the University of Montreal and McGill University. Six 2-hour seminars, Wednesdays at 8 p.m., beginning October 7th. New Engineering Building. Fee $25.00.

This is a comprehensive seminar series encompassing new developments in pharmacy, presented in both English and French. It is designed to bring people engaged in the general field of pharmacy up-to-date on recent developments and will be presented in the form of a panel discussion by a group of experts.

Syllabus: All aspects of retail drug store problems, October 7th and November 4th; cardiac drugs, December 2nd; tranquilizers and stimulants, January 13th; antibiotics, February 3rd; gastro-intestinal drugs, March 2nd.

Mediator for the series: Mr. M. Koss, B.Ph., L.Ph.

E10. A PRACTICAL COURSE IN PUBLIC RELATIONS. (In cooperation with the Canadian Public Relations Society (Montreal) Inc.) Course director: Mr. Monty Berger, Public Relations Manager, Canadian Industries Limited. 10 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 8th. New Engineering Building. Fee $15.00. Class limited.

This course is aimed at broadening the experience and horizons of those already in the field of Public Relations and those proposing to enter it. A number of speakers experienced in public relations work will provide the basis for case history assignments. The conference-workshop technique will be employed in alternate sessions. A number of aspects of public relations will be considered: The definition and scope of public relations; public relations in industry, in the community; public relations as a career—opportunities and qualifications.

E11. MATERIAL HANDLING I (Elementary). Mr. Donald B. Barry, Dominion Engineering Works Limited. 15 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. New Engineering Building. Fee $30.00.

This course is designed to introduce the student to the fundamentals of material handling. *Syllabus:* Fundamentals, selection of equipment, industrial trucks and handling equipment, overhead handling, fork truck, conveyors, plant layout, analysis, reports and industrial solutions. Included will be discussions, films, reading assignments and problems. *Text:* Footlik and Carle, *Material Handling, Vols. I and II* (Lincoln Extension Institute (Canada) Ltd.).

E12. MATERIAL HANDLING II (Equipment Selection and Warehousing). Mr. Harold G. Worley, Canadian Industries Limited. 15 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. New Engineering Building. Fee $30.00.

This course is directed to the student who has completed Material Handling I, or who has a good basic knowledge of the subject. Particular emphasis is placed on the selection, application, and replacement of equipment, and warehouse design, layout and operation. Included in the course are lectures, discussions, home problems and reading assignments. *Texts:* D. O. Haynes, *Material Handling Equipment* (Clinton Co.); *Storage and Materials Handling* (U.S. Government).

E13. MATERIAL HANDLING III (Industrial). Mr. Frank G. Bogert, Trans Canada Air Lines. 15 lectures of 2 hours, Mondays at 8 p.m., beginning October 5th. New Engineering Building. Fee $30.00.

This course is directed to the student who has completed Material Handling I, or who has a good basic knowledge of the subject. Particular emphasis will be placed on industrial material handling as opposed to

warehousing. Topics to be dealt with are plant layout, materials handling analysis, selection and application of equipment, and typical industrial solutions based on case history films. *Text:* James M. Apple, *Material Handling and Plant Layout.*

E14. INDUSTRIAL INSTRUMENTATION. Lecturers from The Instrument Society of America, Montreal Section. 20 lectures of 2 hours, Thursdays at 6 p.m., beginning October 8th. New Engineering Building. Fee $40.00.

This course is intended to cover the basic principles of automatic control mechanisms as used in the process industries. The principles of operation and some of the typical applications of instruments for measuring and controlling pressure, temperature, and fluid flow are described, using a minimum of mathematics and formulae.

E15. PACKAGING MATERIALS AND PROCESSES. (In cooperation with the Educational Committee of the Packaging Association of Canada.) Lecturers to be announced. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 6th. New Engineering Building. Fee $45.00.

This course covers the properties, characteristics and applications of the various packaging materials in general use today in Canadian industry. Instruction will comprise lectures, demonstrations, motion pictures and actual case studies. *Topics:* How to plan a package; paper and paperboard; graphic arts—processes; adhesives; set-up and folding boxes; glass and closures; fibre and corrugated products; flexible packaging; paper converting.

E16. FOOD TECHNOLOGY. Dr. F. H. Knelman and others. 25 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 7th. New Engineering Building. Fee $38.00.

This introductory course will deal with elements of food chemistry engineering, processing, preservation, nutrition, etc.

E17. THE APPRAISAL OF REAL ESTATE. (In cooperation with the Appraisal Institute of Canada and the Montreal Real Estate Board.) Lecturers to be announced. 20 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 6th. New Engineering Building. Fee $30.00. *Prerequisite:* High School Matriculation.

This course has been designed to cover the fundamental theory of appraisal of real property and will be of interest to anyone concerned with real estate values and property management. It is intended to provide an understanding of the basic techniques employed in the estimation of value of real property. Students who complete this course

may apply to the Appraisal Institute of Canada to write the corresponding qualifying examination of that body. *Text: The Appraisal of Real Estate* (The American Institute of Real Estate Appraisers).

E19. INTERIOR DECORATION. Miss Audrey Taylor, Montreal Museum of Fine Arts; Professor Helen Devereaux, Macdonald College; Professors Gordon Webber and Douglas Shadbolt, McGill School of Architecture. 15 lectures of 2 hours, Tuesdays at 8:15 p.m., beginning October 6th. New Engineering Building. Fee $30.00.

This course will deal with the utilization of space to best advantage; the study of color as a means of enhancing space; modern furniture and textiles; the care and economic purchase of decorative materials for the home.

ENGLISH LANGUAGE

The number of students in each class is limited to 25. All courses will be held in the Arts Building.

In addition to the required texts listed below for each course, the following reference books are recommended: for *all* courses—*The Advanced Learner's Dictionary* (Oxford); for Courses E51 to E71—Eckersley, *A Concise English Grammar* (Longmans). The titles of other reference books will be given to students by the instructor.

FIRST YEAR (Beginners)

Prerequisite: Literacy in student's own language. This First year (Beginners) course is designed for *real* beginners in English. Less will be attempted and the pace will be slower than in the regular First year course. Students who successfully complete this Beginners' course may, however, proceed to the Second year in the following session. *Texts:* Eckersley, *Essential English*, Book I (Longmans). (N.B. Bilingual introductions to Essential English I are available in French, Spanish, Polish, Dutch and Norwegian.) Harrop, *English Pronunciation Exercises; Easy Comprehension Pieces;* Thornley, *Stories of Today* (Longmans); *Eleven Short Stories* (Longmans).

Two lectures per week, ending in December:

E51. Miss Ann Robson. 20 lectures of 2 hours, Mondays and Thursdays at 6 p.m., beginning October 5th. Fee $40.00.

One lecture per week, ending in April:

E52. Mr. Alexander Harvey. 25 lectures of 1½ hours, Mondays at 8 p.m., beginning October 5th. Fee $38.00.

FIRST YEAR

Prerequisite: Ability to understand and write simple English and to speak it with some fluency. This course begins at the elementary level but much more will be attempted than in the Beginners' course, the rate of learning will be faster, and the reading material of a higher level. Great stress will be laid on correct pronunciation and accentuation. The symbols of the International Phonetics Association are taught as a guide to pronunciation. *Texts:* Eckersley, *Essential English*, Book II (Longmans). Harrop, *Easy Comprehension Pieces; Pronunciation Exercises;* Carter, *Captain Scott* (Longmans).

Two lectures per week, ending in December:

E53. Miss Janet Jackson. 20 lectures of 2 hours, Mondays and Thursdays at 6 p.m., beginning October 5th. Fee $40.00.

E54. Mrs. M. Brocklehurst. 20 lectures of 2 hours, Mondays and Thursdays at 6 p.m., beginning October 5th. Fee $40.00.

E55. Mr. William Prouty. 20 lectures of 2 hours, Mondays and Thursdays at 8 p.m., beginning October 5th. Fee $40.00.

One lecture per week, ending in April:

E56. Miss M. E. Simpson. 25 lectures of 1½ hours, Wednesdays at 8:15 p.m., beginning October 7th. Fee $38.00.

E57. Mr. W. T. Booth. 25 lectures of 1½ hours, Wednesdays at 6:30 p.m., beginning October 7th. Fee $38.00.

E58. Mr. H. M. Ritchie. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 6th. Fee $38.00.

E59. Miss Alison Groom. 25 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 5th. Fee $38.00.

SECOND YEAR

Prerequisite: The First year course, or *real fluency* in spoken and written English, and preferably a knowledge of international phonetics. In the Second year the stress is on idiom and usage, with continued formal grammatical exercises. More difficult grades of reading material are studied. *Texts:* Eckersley, *Essential English*, Book III; Judd, *Exercises in English for Foreign Students* (Longmans); Harrop, *English Pronunciation Exercises; Dictation, Comprehension and Précis Pieces;* Paton, *Cry, The Beloved Country* (Longmans).

Two lectures per week, ending in December:

E60. Mr. J. G. Harris. 20 lectures of 2 hours, Mondays and Thursdays at 8 p.m., beginning October 5th. Fee $40.00.

E61. Mr. Charles Mitchell. 20 lectures of 2 hours, Mondays and Thursdays at 6 p.m., beginning October 5th. Fee $40.00.

E62. Miss Jean Deery. 20 lectures of 2 hours, Mondays and Thursdays at 8 p.m., beginning October 5th. Fee $40.00.

One lecture per week, ending in April:

E63. Miss Janet Jackson. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 6th. Fee $38.00.

E64. Mr. G. A. Valillee. 25 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 5th. Fee $38.00.

E65. Miss M. E. Simpson. 25 lectures of 1½ hours, Wednesdays at 6:30 p.m., beginning October 7th. Fee $38.00.

THIRD YEAR

Prerequisite: The Second year course, *or* English Composition for Business Writing. This course presupposes a fluent command of English. In the Third year the stress will be on the finer points of syntax, idiom, and intonation. Students will be encouraged to converse freely on topics of general interest and to submit written work for correction. *Texts:* Dixson, *Graded Exercises in English* (Regents); Harrop, *Dictation, Comprehension and Précis Pieces;* Voaden, *On Stage* (Macmillan).

E70. Miss Jean Deery. 25 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 7th. Fee $38.00.

E71. Dr. Mary Winspear. 25 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 6th. Fee $38.00.

COURSES IN ENGLISH COMPOSITION FOR BUSINESS WRITING

These courses offer a detailed study of English grammar and syntax of business phrases and terminology, and of the composition of various types of business letters. Particular attention is given to the English words, idioms, and usage which experience has shown to present difficulty to those who learn English as a foreign language. *Correct pronunciation and conversational usage are stressed.* Students are expected to prepare written assignments, which will be corrected and returned. These courses are

intended for those who have completed two or more years of study in the English language courses offered at McGill or for those who have had an equivalent amount of formal instruction in the English language.

INTRODUCTORY COURSE IN ENGLISH COMPOSITION FOR BUSINESS WRITING

Texts: Warner, *Business Letter Writing* (Pitman); Miller, *A Grammar of Modern English* (Longmans); Allen, *Living English Structure* (Longmans); Harrop, *Graded Comprehension Pieces; English Pronunciation Exercises;* Gowers, *The Complete Plain Words* (H.M.S.O.).

E80. Professor Monica Harvey. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 6th. Fee $38.00.

ADVANCED COURSE IN ENGLISH COMPOSITION FOR BUSINESS WRITING. *Texts:* R. L. Shurter, *Effective Business Letters* (McGraw-Hill); Miller, *A Grammar of Modern English* (Longmans); Allen, *Living English Structure* (Longmans); Willoughby Johnson, *Exercises in English* (Houghton Mifflin).

E81. Professor Kathleen Vaughan. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 6th. Fee $38.00.

SECTION M

EVENING COURSES AT MACDONALD COLLEGE

H. R. C. AVISON, DIRECTOR, EXTENSION SERVICE

Evening courses have been offered at Macdonald College for some years. The number and variety of these courses have now been greatly increased and each year they will be listed in this announcement. This development is intended as a service to people who live toward the west end of the Island and who may find it more convenient to go to Macdonald College than to come to McGill in the evening.

The McGill Extension Department registration card may be used to register for Macdonald courses and you may register by mail, BUT you must mail your card and cheque (*made out to Macdonald College*) to EXTENSION SERVICE, MACDONALD COLLEGE, P.Q. Since there is a post office at Macdonald College, address your letter to Macdonald College, P.Q., rather than to Ste. Anne de Bellevue.

GENERAL INFORMATION—MACDONALD COLLEGE COURSES

REGISTRATION.—You may register by mail, starting September 1st.

Please use the enclosed card, fill in all four sections, and mail it, with your cheque or money order (payable to Macdonald College), to the Extension Service, Macdonald College, P.Q.

ALL of the information asked for on the card—your address, telephone numbers, employer, educational background, etc.—is important to us in conducting the program and in planning for future courses. If we do not have your telephone number, we cannot notify you of the cancellation of a lecture. We would appreciate your cooperation.

Although registration by mail is advisable, students may register at the College during the day or evening, as follows:

Day Registration: Extension Service office, south side of Women's Residence, 9 a.m. to 4 p.m., Monday to Friday inclusive, September 7th to October 19th.

Evening Registration: *Ground floor*, Main Building, 7 to 8 p.m. on the night the class is held.

LIMITED CLASSES.—In some of the courses as, for example, language classes, in which the progress of the student is dependent on his participation and the individual attention of the instructor, the size of the class is limited. In such cases, enrolment is on a "first come, first served" basis. It is advisable, therefore, to register early.

FEES.—The fee as indicated for each course is payable in advance, at time of registration. If, after the first lecture, you find that the course seems unlikely to meet your needs, a refund of the whole fee may be obtained by presenting your Student card at the Extension Service office between the hours of 9 a.m. and 4 p.m. *No refunds will be made after the date of the second lecture in the course.* If refund by mail is desired, the Student card must reach the Extension Service office *before the second lecture* and three weeks be allowed by the student for receipt of refund cheque.

CANCELLATION OF COURSES.—The student fee charged for these evening courses is essentially what it costs to put them on, assuming a certain minimum registration. If the registration in a course is less than the required minimum, the Committee reserves the right to cancel the course and refund fees.

TEXT BOOKS.—All required text books may be purchased at Extension Service office.

THANKSGIVING HOLIDAY.—No classes will be held on Monday, October 12th.

CHRISTMAS HOLIDAYS.—The last lecture before Christmas will be on Thursday, December 17th. For new courses beginning in January, ask in December for special announcement.

EXTENSION OFFICE—The Extension Service office is located on the south side of the Women's Residence.

TELEPHONE—Ste. Anne de Bellevue 5335, local 16 (before 5 p.m.).

COURSES

M1. DRAWING AND PAINTING. Gino Lorcini. 10 sessions of 2 hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $20.00. Class limited.

M2. DRAWING AND PAINTING. Patrick A. Landsley. 10 sessions of 2 hours, Thursdays at 8.00 p.m., beginning October 8th. Main Building, Macdonald College. Fee $20.00. Class limited.

The instruction in these courses is neither formal nor academic, but is designed to develop skill, interest, and latent talents. The class paints and draws from living models and still-life.

M4. INTRODUCTION TO ENGLISH LITERATURE I. Department of English. 10 sessions of 1½ hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

This course is designed to acquaint the student with the historical development and social backgrounds of English literature. Selections from the major authors will be read and discussed in class. The work in this term will trace the development of English literature from its beginnings to the end of the 17th Century.

M5. INTRODUCTION TO ENGLISH LITERATURE II. Department of English. 10 sessions of 1½ hours, Tuesdays at 8.00 p.m., beginning January 19th, 1960. Main Building, Macdonald College. Fee $15.00.

In this series the development of English literature from the 18th Century to the present day will be considered with special emphasis on the contemporary period.

M6. INTRODUCTION TO PSYCHOLOGY. Prof. J. E. M. Young, Institute of Education. 10 lectures of 1½ hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

This course will provide a brief introduction to some of the topics with which modern psychology is concerned: human growth and development, perception, motivation, individual differences, learning, mental health, and psychology in education, industry, etc. *Prerequisite:* High School matriculation.

M7. CONVERSATIONAL FRENCH. Dr. S. C. M. Hawkins and staff, Institute of Education. 10 sessions of 1 hour, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $10.00.

French Conversation with a minimum of grammar and written work. Students meet in one large group for demonstration and discussion at 8.00 p.m. on the first evening of the course. On the basis of their own assessment they then attend the elementary, intermediate or advanced course. Students enrolled in one course are welcomed as auditors in another course given at a different time. In the intermediate section the text is used as a point of departure for extempore conversation. The second term courses are envisaged as continuations of the first term courses, but this fact need not prevent new registrations in January.

M9. EFFECTIVE READING. Mrs. M. H. Dubreuil, Department of English. 12 sessions of 1½ hours, twice per week, Tuesdays and Thursdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $18.00.

This course is designed to help you read faster and better. If your reading rate is 200 words a minute or less you can, with practice and application, double this rate by the end of the course. Limited class.

M12. HOME GARDEN LANDSCAPING. Mr. Juri Roht, Department of Horticulture. 10 lectures of 1½ hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

Landscape design, improvements of soil, fertilizing plant material, lawns, care of trees and shrubs, etc.

M13. THE FLOWER GARDEN. Mr. Juri Roht, Department of Horticulture. 10 lectures of 1½ hours, Tuesdays at 8.00 p.m., beginning January 19th. 1960. Main Building, Macdonald College. Fee $15.00.

Design of flowerbeds, perennial plants, annual flowers, plantings and care of flowerbeds. Propagation of flowers both out of doors and in the house. Lectures will be supplemented by practical periods in the greenhouse.

M14. HUMAN HEREDITY AND THE ATOMIC AGE. Prof. R. I. Brawn, Department of Agronomy. 10 lectures of 1½ hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

A discussion of human inheritance with a consideration of the effect of Nuclear Warfare on the future of the race.

M15. PRE-SCHOOL MUSIC. Mrs. Gertrude MacFarlane. 10 sessions of 2 hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

Materials, methods and techniques for introducing music to the child under six—in the nursery school or at home. A course designed for parents and teachers of young children. Demonstration and discussion will be significant.

M27. LAW FOR THE LAYMAN. Mr. Roy C. Amaron. 10 lectures of 1½ hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

A practical survey of the Law as it relates to the holding and transferring of property, persons, their status and functions, obligations and special contracts as well as Public Law, Criminal and Administrative, Company Law and Industrial Relations, and the basis of the Canadian Constitution.

M28. WOODLOT FORESTRY. Prof. A. R. C. Jones and Guest Lecturers. 10 sessions of 1½ hours, Thursdays at 8.00 p.m., beginning October 8th. Main Building, Macdonald College. Fee $15.00.

A practical course for small-woodlot owners will include field trips during the fall months. Tree identification; woodlot protection and control of disease, insects, fire and other agencies; growth of trees and stands; measurement of standing timber and woodlot products; reforestation and care of plantations; improvement of young stands; marking and selective cutting in older forests; marketing possibilities and discussion of sugar bush management and production of Christmas trees. Lectures illustrated with coloured slides and films.

M29. SEWING. Mrs. M. Bubar and Mrs. K. Murray. 10 sessions of 2½ hours, Tuesdays at 7.30 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

A laboratory course in elementary sewing in which a simple garment is constructed. Instruction is given in selection of patterns and materials, the use of the sewing machine, laying on and cutting out pattern, fitting and altering patterns and basic techniques of garment construction.

M30. PUBLIC SPEAKING. The Rev. John W. Kerr. 10 sessions of 1½ hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

An elementary course for those with little or no previous experience in public speaking. Will cover the preparation and delivery of a speech, the

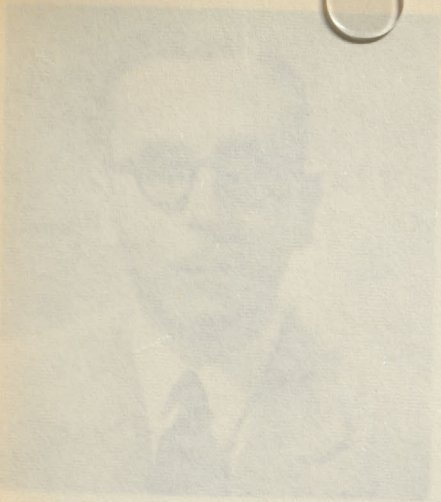
choice of language, the introduction and thanking of speakers, the duties of a chairman and the conducting of meetings. Students will be asked to prepare and deliver speeches, and to take part in short debates.

M31. THE ECONOMICS OF THE CANADIAN FOOD INDUSTRY. Dr. D. L. MacFarlane, Department of Economics. 10 lectures of 1½ hours, Tuesdays at 8.00 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

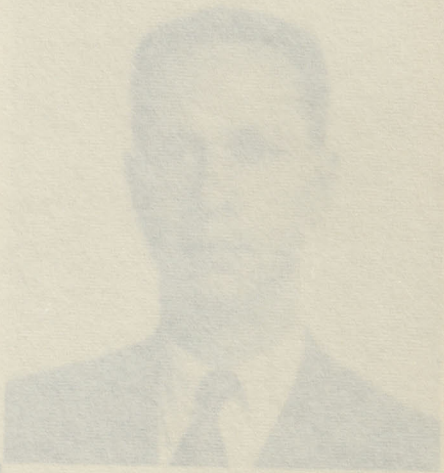
The structure and organization of the Canadian Food industry; the demand for food; consumption and expenditure patterns; raw material supply; government controls; provincial marketing boards, grading, etc.; advertising; the problems of imports; the problems of American control of the industry; the price spreads Commission; market research; the use of D.B.S. materials; the prospects for the industry; Canadian economic growth; public policy considerations.

M32. COURSE FOR VOLUNTEER LIBRARIANS. Guest Lecturers. 10 sessions of 1½ hours, Tuesdays at 8 p.m., beginning October 6th. Main Building, Macdonald College. Fee $15.00.

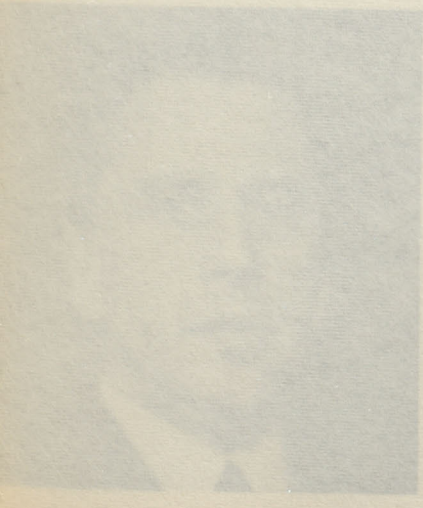
Syllabus: The Library in the community; selecting books for adults and children; cataloguing, mending and shelving; Dewey decimal system; reference books; story-telling, etc.



JOHN L. LOCKE
Director

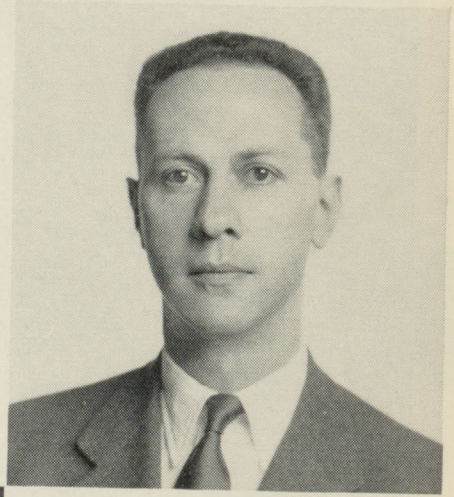


ARLENE HOOD
Visiting Professor



THERESE ROSICH
Assistant Director

JEAN L. LAUNAY
Director



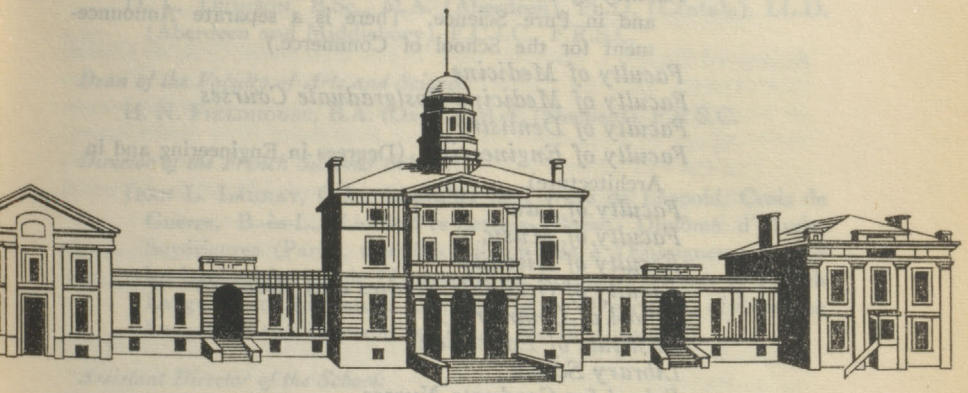
ARMAND HOOG
Visiting Professor

THADDÉE ROMER
Assistant Director

McGILL UNIVERSITY LIBRARY

THE ARTS BUILDING

FRENCH SUMMER SCHOOL



McGILL UNIVERSITY

MONTREAL CANADA

June 29 — August 11, 1959

43rd Session

Director: Professor J. L. LAUNAY

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

ADMINISTRATIVE OFFICERS

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Principal and Vice-Chancellor of the University:

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D. L. THOMSON, B.Sc., M.A. (Aberdeen), Ph.D. (Cantab.), LL.D. (Aberdeen and Middlebury), F.C.I.C., F.R.S.C.

Dean of the Faculty of Arts and Science:

H. N. FIELDHOUSE, B.A. (Oxon.), M.A. (Sheffield), F.R.S.C.

Director of the French Summer School:

JEAN L. LAUNAY, O.A., Chevalier de l'Ordre de Léopold, Croix de Guerre, B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures (Paris), Certificat d'Aptitude à l'Enseignement dans les Lycées, Agrégé de l'Université de France; Professor of French Language and Literature, Chairman of the Department of Romance Languages and Humanities Group, McGill University.

Assistant Director of the School:

THADDÉE ROMER, Officier de la Légion d'Honneur; Licencié ès Sciences Politiques et Sociales (Lausanne); Administrative Assistant to the Chairman of the Department of Romance Languages and Assistant Professor of French, McGill University.

Secretary of the Board of Governors

JOHN H. HOLTON, B.Com. (Tor.)

Registrar of the University:

COLIN M. McDOUGALL, D.S.O., B.A.

Comptroller:

G. A. GRIMSON, B.Com.

Secretary of the French Summer School:

MISS JACQUELINE GOLDBERGER

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Jean L. LAUNAY, O.A., Chevalier de l'Ordre de Léopold, Croix de Guerre, B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures (Paris), Certificat d'Aptitude à l'Enseignement dans les Lycées, Agrégé de l'Université de France; Professor of French Language and Literature, Chairman of the Department of Romance Languages and Humanities Group, McGill University; *Director of the School*

Thaddée ROMER, Officier de la Légion d'Honneur, Licencié-ès-Sciences Politiques et Sociales (Lausanne); Assistant Professor of French and Administrative Assistant to the Chairman of the Department of Romance Languages, McGill University; *Assistant Director of the School*

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Mme Andrée BERGENS, B.-ès-L. (Paris), B.S., M.A. (Columbia); Instructor in French, in charge of the Language Laboratory, School of General Studies, Columbia University

Léon BONDY, B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures (Paris), Diplômé de l'Institut de Phonétique de l'Université de Paris, Certificat d'Aptitude au Professorat de l'Enseignement du Second Degré; Professor of French Language and Literature, Collège Paul Lapie, Paris

Paul CHAVY, O.I.P., B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures (Paris), Agrégé de l'Université de France; Directeur du Centre Français d'Information des Provinces Atlantiques; Professor of French Language and Literature and Chairman of the Department of Romance Languages, Dalhousie University.

Mme Lilyane DARIOSECQ, B.-ès-L., Licenciée-ès-Lettres (Paris), Diplômée d'Etudes Supérieures (Paris); Instructor in French, Mount Holyoke College

Luc DARIOSECQ, B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures (Paris), Ancien Elève de l'Ecole Normale Supérieure, Agrégé de l'Université de France; Assistant Professor of French, Mount Holyoke College

Mlle Nicole DESCHAMPS, B.A., Licenciée-ès-Lettres (Laval), Boursière de la Société Royale du Canada et du Conseil National des Arts (Oslo and Paris); Lecturer in French (1959-60), McGill University

Michel EUVRARD, B.-ès-L., Licencié-ès-Lettres (Paris), Diploma of English Studies (Cantab.), Diplômé d'Etudes Supérieures (Paris), Agrégé de l'Université de France; Assistant Professor of French, McGill University

Mme Lucie TOUREN-FURNESS, O.I.P., B.-ès-L., Licenciée-ès-Lettres (Paris); Emeritus Professor of French Language and Literature, McGill University

Mlle Marcelle GINDRE, B.-ès-L., Licenciée-ès-Lettres (Paris), Diplômée d'Etudes Supérieures (Paris), Agrégée de l'Université de France; Lecturer in French, Wellesley College

Mlle Maryvonne KENDERGI, B.-ès-L., Licenciée-ès-Lettres (Paris), Diplômée d'Histoire de l'Art (Paris), Licenciée de concert (piano) et Licenciée d'enseignement (Ecole Normale de Musique de Paris), Ancienne Elève d'Alfred Cortot; Producer of European Musical Festivals, Radio-Canada (French network), Montreal

Maurice PONS, B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures (Paris); Homme de Lettres (Grand Prix de la Nouvelle, 1955); Lecteur aux Editions Denoel, Paris

Maurice RABOTIN, B.-ès-L., Licencié-ès-Lettres (Paris); Lecturer in French, McGill University

Mlle Marie-Thérèse REVERCHON, O.I.P., B.-ès-L., Licenciée-ès-Lettres (Paris), Diplômée d'Etudes Supérieures (Paris), Certificat d'Aptitude à l'Enseignement dans les Lycées, Agrégée de l'Université de France; Associate Professor of French, McGill University

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In addition to the regular Resident Staff, Assistant Instructors will be appointed as necessary, in order to keep classes down to a size compatible with maximum teaching efficiency.

GROUP LEADERS

The *French Song Groups* will be conducted by Mlle Maryvonne Kendergi.

The leader of the *French Dramatic Group* will be M. Maurice Rabotin assisted by Mme Lilyane Dariosecq.

The Editor of *Chantecler* (the weekly French paper produced by the Staff and Students of the School) will be M. Maurice Pons.

VISITORS

As in the past, the School will have the honour of entertaining French diplomatic representatives and other distinguished French and Canadian men and women residing in or passing through Montreal. All students will have an opportunity of conversing with the visitors and asking them questions on subjects of topical interest.

The School extends a cordial invitation to American University Professors of French who may be spending their vacations in Canada, and to their Canadian colleagues. They will always be welcome at the School, and the Director will be glad to authorize them to attend any lectures in which they may be interested, or, if space permits, to spend a few days in the refreshing atmosphere of the French House.

"MONTRÉAL, — UNE GRANDE MÉTROPOLE D'UN MILLION ET DEMI D'HABITANTS, DONT LES DEUX-TIERS SONT DES CANADIENS DE LANGUE FRANÇAISE . . . CE N'EST PAS SANS RAISON QUE L'ON A PU DIRE: MONTRÉAL EST LA PLUS GRANDE VILLE FRANÇAISE DU MONDE APRÈS PARIS."

THE FRENCH SUMMER SCHOOL OF McGILL UNIVERSITY

The McGill French Summer School is an old-established institution. Its first session dates back to 1904 and it has functioned uninterruptedly since 1922. It is the only School conducted on the McGill campus during the summer. An integral part of the Faculty of Arts and Science, its credit-carrying courses are of college and university standards, leading to graduate degrees in French.

THE UNIVERSITY AND ITS CULTURAL ENVIRONMENT

McGill University was established by Royal Charter in 1821 and carries on, in Canada, British traditions of education. It is situated in Montreal, the largest city of the historic Province of Quebec, where the language and much of the culture of Old France persist. Montreal is a modern cosmopolitan city, too, the centre of an active and growing contemporary culture which expresses itself in a distinctive literature and art.

The French Summer School of the University enjoys great advantages in consequence of its situation in Montreal and French Canada. Nowhere save in the Province of Quebec can we find on the North American continent a community that uses French as its native tongue, finds its inspiration in French literature and drama, and obtains its daily news from French newspapers and French radio and TV announcers. The environment naturally has a French atmosphere.

THE AIMS OF THE SCHOOL

The School is designed for all who desire to take courses of lectures on French thought, literature, or civilization, *and at the same time gain a practical working knowledge of the language.*

High School Seniors will find it the best preparation for College courses.

University or college undergraduates may take lectures and language courses which are equivalent to regular college courses.

University graduates and teachers of French desirous of perfecting their knowledge of the language and literature have an opportunity to take advanced courses of graduate standard.

Those unable to attend the regular session who desire to study for a Master's degree at McGill University are offered a programme spread over

four summers which, when supplemented by a thesis in French, leads to that degree.

Besides those with such professional interest, there are many who love the language and literature of France for its own sake and wish to continue studying the subject in favourable surroundings. The School accommodates these persons in its courses insofar as they are qualified for the particular courses they wish to take.

FEATURES OF THE 1959 SESSION

1. *Our Visiting Professor*

The School is happy and proud to announce that Professor Armand Hoog has accepted the appointment of *Visiting Professor for 1959*.

Professor Hoog's tall silhouette, warm voice and radiating personality are familiar to thousands of teachers and students of French, who have met him at conventions and on campuses all over the North-American continent.

His academic career has been brilliant. It began with an appointment at the Fouad University in Cairo (Egypt) in 1938, and, after six years of interruption due to the War, was resumed at the Université de Strasbourg in 1945. Professor Hoog held a visiting appointment at Harvard University from 1951 to 1953, and, after a year at Smith College, was seconded to the Meredith Howland Pyne Chair of French Literature at Princeton University, a position he has held since 1954.

His numerous publications reflect the diversity of his interests as a teacher, a scholar, a literary critic and a creative writer. For the benefit of his—and other—students he has edited *Le Roman du Graal;* the *Maximes* of La Rochefoucauld; *L'Histoire de la conjuration de Fiesque,* by Cardinal de Retz; Madame de La Fayette's *Princesse de Clèves; Les Liaisons dangereuses,* by Choderlos de Laclos, and Balzac's *La femme abandonnée* and *Un début dans la vie.* As a critic, Professor Hoog was a regular contributor to the French weekly *Carrefour* from 1944 to 1951, and the collection of essays on Racine, Chateaubriand, Stendhal, Baudelaire and Apollinaire, which he wrote in his P.O.W. Camp in Eastern Germany and published under the title of *Littérature en Silésie* drew wide applause in 1944. His first novel, *L'Accident,* was awarded the Prix Sainte-Beuve in 1948, and his latest, *Le dernier tonnerre,* which appeared last year, drew very favourable reviews.

Professor Hoog has been the recipient of many honours and awards, including the cross of Chevalier de la Légion d'Honneur and the Croix de Guerre. Although he is a *Lauréat de l'Académie Francaise* and has been a Guggenheim Fellow, the distinction he values most is that of being an *Ancien Élève de l'École Normale Supérieure*, which makes him a member of one of the most exclusive fraternities of scholars. A member of the Board of Governors of the *Alliance Française* in Paris, he devotes considerable time to furthering Franco-American relations, a task which he will happily continue at the School.

2. A new *double* course: 25. FROM BOOK TO STAGE.

From Book to Stage was offered for the first time last year on an experimental basis. The students' response was so encouraging and Mr. Rabotin's leadership so successful that it was decided to expand the course and add it to the School's regular curriculum.

Four classical and three contemporary plays constitute a reasonable reading programme for an 18-lecture course, and the idea of injecting life into printed lines through acting is both attractive and pedagogically sound. But staging a play, or even part of one, demands a great deal of hard work on the part of a student team: rehearsals are excellent practice but they have a tendency to drag on and on in the small hours! In recognition of the practical value of *Course 26*, and of the time involved in its assignments, *From Book to Stage* will henceforth carry *2 credits*.

Section B students enrolled in this course will therefore be responsible for 4 courses only (instead of 5) and still be eligible for the *French Summer School Certificate*.

M. Rabotin and his colleagues sincerely hope that this change in the School Regulations will permit of more good students devoting more time to a very worthwhile activity.

(Description of course on page 4031)

3. *New civilization courses on France to-day.*

The Director believes that American and Canadian students are genuinely interested in foreign affairs, and especially in those of the countries whose languages they study. He is also convinced that French Summer School students owe it to themselves to be better informed of current events in France than the general public.

1958 has been a most eventful year for France. Unrest in Algeria late in the Spring culminated into the recall of General de Gaulle to power, and that great austere leader (whom *Time* cited as *Man of the*

Year) has exercised a decisive influence on the conduct of public affairs. On September 28, 1958, an overwhelming majority of the French electorate approved de Gaulle's fundamental ideas, embodied in the Constitution of the Fifth Republic, and, a month later, a new National Assembly was returned to back up the General's programme of reforms. Well-known political figures of the near-past have now gone into retirement, and a new crop of young leaders is emerging. So many new names are now appearing in large print in French dailies that many foreign observers are more than somewhat puzzled . . .

To place recent events in their proper perspective, and to give a rationale of France's evolution since 1945, two new courses have been added to the School programme:

For *Section B* students: 24. POST-WAR FRANCE: A SURVEY OF POLITICAL, SOCIAL AND ECONOMIC LIFE FROM 1945 TO 1959.

(Description of the course appears on page 4030)

For *Section C* students: 45. THE FIFTH REPUBLIC.

(Description of the Course appears on page 4036)

4. Course on *French in to-day's diplomacy and protocol.*

For centuries French has been the only diplomatic language, and in spite of the apparent predominance of English throughout the Western World, French remains, because of its clarity and flexibility, one of the compulsory languages in international conferences, and the preferred language in diplomatic circles.

To assist the growing number of students contemplating careers with International Organizations or the Foreign Services of their own countries, the French Summer School has, since 1956, offered a specialized course in current French usage in diplomacy and protocol.

In 1959 the Instructor will again be Professor T. Romer, who has had long experience of the diplomatic service, including ambassadorial and ministerial appointments.

Like all other French Summer School courses, *Course 50* will be given entirely in French. A description of the course will be found on page 4036.

5. *Staff Seminar on Teaching Problems.*

The French Summer School takes pride in the quality of its teaching and in the efficiency of its methods. A number of teachers of French come to the School to take a refresher in their subject, and to observe how various aspects of it are dealt with. An even larger proportion of our students plan to become teachers of French.

To satisfy the curiosity and to further the professional improvement of that group, the School is offering a special Seminar where staff and students will meet to discuss teaching techniques and pool class-room experience under the able direction of Professor P. Chavy who has long been a special adviser to the teachers of French of the Atlantic Provinces. Eight afternoon meetings will be held at Douglas Hall during July. The seminar will carry no credit and there will be no final examinations.

(for description, see *Course 51*, page 4037)

6. Language Practice Laboratory

While the more advanced students will, as previously, use the equipment of the Phonetics Laboratory in the Arts Building, the less advanced, who need considerable aural-oral practice to acquire fluency, may avail themselves of the Language Practice Laboratory, which will, for their benefit, be set up at Douglas Hall. This laboratory consists of turntables equipped with earphones allowing groups of three to work with the same record at the same time, and tape-recorders with which students can check their own pronunciation. Lessons which have been taught in the lecture room in the morning will be available in record form in the afternoon, and it is hoped that the laboratory will be in constant use. It is not intended to replace the voice of the instructor, but it will allow students doing their assignments constantly to associate the spoken with the written words. Experience has shown that this will speed their progress considerably.

All records will be cut by staff members, and some courses (for instance, Courses 1, 3, 4, 13, 14 and 32) will be recorded in their entirety.

7. French Song Groups

An Instructor has been especially appointed to lead groups in the singing of French and French-Canadian songs. The value of singing in a foreign language as an approach to the sounds and rhythms of the language cannot be too much stressed, and all students—even those who doubt their singing ability—must avail themselves of this opportunity to learn French "par la joie."

6. Dramatics

The School has always been noted for the polish and ingenuity of the production of their French plays, and all the students who acted in them have agreed that the experiment had considerably improved their confidence in the use of spoken French.

The benefits accruing from this should not be limited to a few advanced students, but should be available to the whole student body. To increase the possibility of gaining this valuable experience, a number of easy, short scenes will be offered by Section A and B students. They will be performed, arena-style, before the final examinations take place, and it is hoped that students of all Sections will take advantage of this opportunity to improve their spoken French by this vivid and direct method.

(See also description of course 25, on page 4031)

9. Evening Lectures

In order to give students opportunities to listen to fresh voices and, at the same time, broaden their knowledge of the cultural background of present-day France, four evening lectures, open to students, guests, and friends of the School, have been arranged.

M. Francois WEYMULLER, *Ancien Elève de l'Ecole Normale Supérieure, Agrégé de l'Université de France, Conseiller Culturel près de l'Ambassade de France, Ottawa,* will be paying his first visit to the School, and has accepted to speak on *L'Alsace,* a French province of striking originality which is dear to his heart and adjoins Lorraine, his own province of origin.

M. André MALAVOY, *Licencié-ès-Lettres, Diplomé de l'Ecole des Sciences Politiques (Paris), Directeur d'Agence de Voyages à Montréal,* has chosen as his topic

Le vin dans l'histoire de France

M. Armand HOOG, *our Visiting Professor for 1959,* will portray the striking, controversial and typically French figure of *André Malraux, l'homme et l'écrivain*

M. Jean L. LAUNAY, *Director of the School,* will review France's achievements in the engineering and scientific fields since 1945. His lecture will be entitled: *Progrès des sciences et des techniques dans la France de l'après-guerre*

10. Sight-seeing and educational Tours sponsored by the School

(1) *Montreal and the St. Lawrence Seaway.*

During the first week of the Session, students will be invited to participate in a conducted visit of Montreal, including the historic districts around the Harbour, the Cathedral, famed St. Joseph's Shrine and the French-speaking Université de Montréal which dominates the city to the north.

The tour will also include the St. Lawrence Seaway, its approaches, the huge turning basins, the lock system which allows ocean-going ships up to 30,000 tons to steam direct to Chicago, and the Lachine Rapids which for so long impeded navigation on the river. The Seaway will have been inaugurated the previous week by H.M. Queen Elizabeth and the President of the United States, and this will be a fine opportunity to get acquainted at first hand with one of the most remarkable engineering feats of the century.

Price (including transportation and refreshments): $3.00

(2) *Week-end excursion through Old France to Quebec City.*

Our week-end in Quebec has long been one of the highlights of the School activities. Those paying their first visit to Montreal will not want to leave without visiting the ancient fortress city of Quebec and the delightful countryside which is the spiritual, cultural and national centre of French-Canada.

The Quebec tour will take place on Saturday July 11th, and on Sunday July 12th. To permit maximum participation of staff and students, ALL LECTURES ON SATURDAY JULY 11th WILL BE CANCELLED.

Chartered transport will leave Douglas Hall after breakfast and, with brief halts at beauty-spots along the mighty river, will follow the St. Lawrence, drive past Quebec and the Montmorency Falls, and bring our group to Ste. Anne de Beaupré where luncheon will be served at the Pilgrims' House. The afternoon programme will include a visit of the monumental Ste. Anne Shrine and, depending on weather conditions, a circuit of historic Island of Orleans or a tour of the picturesque Lac Beauport hills. Dinner will be served in Quebec City, where participants will be accommodated in hotels. The evening will be left free for individual or group visits of the quaint streets and monuments of Old Quebec, open-air dancing on Dufferin Terrace, or a ferry trip to Lévis to watch the sunset over the city skyline. A visit to the Chateau-Frontenac, the huge medieval-looking hotel which overlooks the St. Lawrence will also tempt quite a few . . .

Sunday morning will be occupied by conducted tours of the 17th century Citadel (where students will witness the British-style ceremony of the Changing of the Guard) and of the Parliament Buildings (where they will sit in the Legislative Assembly and, perhaps, in chairs used by Sovereigns and Heads of States . . .). After lunch, there will be a visit of the Provincial Museum, famed for its collection of Canadian fauna, arts and crafts, and painting.

Transport will leave for Montreal late in the afternoon. A ceremonial French dinner will be enjoyed at an Eastern Townships hotel renowned for its cuisine, and Douglas Hall will be reached in time for a well-earned rest.

Price (including transportation, accommodation, tickets, and 5 really French meals): $21.00.

N.B. *As the Quebec Tour requires a great deal of careful advance planning, students would greatly assist by registering for it as early as possible, July 1st being the deadline for enrolment.*

(3) During the fourth week of the Session, the School will organize a visit to the Laurentian Hills. Transport will leave Douglas Hall after luncheon, and students will be taken to a lake offering facilities for boating and bathing. The Weather Bureau will decide the date so that fine weather is guaranteed. This half-day of open-air relaxation is highly recommended before the gruelling examination period begins . . .

Price (including transportation and evening meal): $4.00.

Students may register for these tours on Registration Day. Those registering for *all three* on that day will be charged the overall reduced price of *$25.00*.

THE THREE SECTIONS

Each individual course consists of three class sessions per week in the form of lectures and of small groups for language practice. Courses are grouped in three grades of increasing difficulty, designated respectively as:

Section A (Elementary)
Section B (Intermediate)
Section C (Advanced)

Courses in *Section C* are counted, in certain circumstances, toward the M.A. degree in French at McGill University (see page 4039).

Special colloquia may be arranged for students doing research or writing their M.A. thesis.

ADMISSION REQUIREMENTS

General: For the courses of each Section there are certain admission requirements which are described below in terms of college standing, but the School accepts any equivalent preparation through travel or residence in France or through private study. NO BEGINNERS ARE ADMITTED, since a working, even if limited, knowledge of the language is required for admission to *Section A*.

On the day of registration each student is interviewed by members of the teaching staff who recommend the section and the courses for which he is best prepared.

Section A (Elementary):

Candidates are normally required to have completed two years of high school French, or one year of College French, or the equivalent.

Section B (Intermediate):

Candidates are normally required to have Second or Third Year College standing. They must have a fair knowledge of French grammar, an active vocabulary of 1,200 to 1,500 words, and some degree of facility in the spoken language.

Section C (Advanced):

Candidates are normally required to have Fourth Year College standing. They must have a good reading knowledge of French, fluency in the spoken language and must be acquainted with the major periods and writers of French literature from 1600 to 1914.

AGE AND HEALTH REQUIREMENTS

The School cannot accept students who are still *under 16 years of age* on the day of Registration (June 29).

Students suffering from a physical disability should write confidentially to the Director and inform him in advance of their condition. He will advise them whether or not their registration can be accepted.

Students under medical treatment cannot be accepted if the latter entails nursing attention or a special diet which the School cannot provide.

OPENING DATE

The School will open on Monday, June 29, and close on Tuesday, August 11.

Students in residence at the French House will be permitted to spend the night of June 28-29 in the residence *provided* that they give due notice to the School Secretary and arrive between 5 P.M. and 10 P.M. on June 28.

No meals will be served before breakfast on June 29.

REGISTRATION

Registration will take place in the Arts Building, on Monday, June 29.

Students will register according to the following schedule:

(*a*) *Section A students* will register on the morning of Monday, June 29 from 9:30 A.M. to 12:30 P.M.

(*b*) *Section B and Section C* students will register on the afternoon of Monday, June 29 from 2:30 P.M. to 5:30 P.M.

Non-resident Students:

All non-resident students will register on the morning of June 29 from 9:30 A.M. to 12:30 P.M.

Lectures will begin at 9 A.M. on Tuesday, June 30. The Opening Ceremony will take place in the evening of Monday, June 29, in the Common-Room of Douglas Hall (French House).

Special arrangements may be made for teachers unable to leave their duties in time to reach Montreal for Registration Day, provided that the delay in their arrival does not exceed two days and is duly notified to the Secretary.

FEES

Registration Fee	$ 25
Tuition fee for full-time students	125
Residence (room and board)	180
Fee for a three-hour course taken as a partial course	35
Quebec excursion, Montreal Tour, and afternoon in the Laurentians (optional)	25

FEES FOR M.A. STUDENTS (see page 4040)

FEES ARE PAYABLE IN CANADIAN FUNDS. As the Announcement goes to press, the rate of exchange is approximately 98 Canadian cents to one U.S. dollar (or $1 Canadian = $1.02 U.S.)

Students should pay all fees in cash or by cheque drawn on a Canadian Bank at the time of registration.

After registration has taken place, no fees will be refunded to any student who:

(*a*) leaves the School without permission of the Director or Assistant Director;

(*b*) is dismissed from the School by the Dean.

Should a student's presence be required at home during the session (in case of illness or domestic affliction), he must first obtain permission to leave from the Director or the Assistant Director. A refund of fees will later be arranged according to the circumstances of each individual case.

CORRESPONDENCE

All correspondence concerning the French Summer School should be addressed to:

The Secretary, French Summer School,
Arts Building,
McGill University,
Montreal 2, Canada.

APPLICATIONS, ACCOMPANIED BY A LETTER OF RECOMMENDATION AND THE REGISTRATION FEE OF $25.00 IN CANADIAN FUNDS, SHOULD BE RECEIVED BEFORE JUNE 15. The registration fee may be withdrawn on or before that date. In case of cancellation after June 15, it will be held until the following session, after which it will be forfeited.

Students intending to stay in the French House should apply as early as possible. Accommodation is limited and rooms will be reserved on the first come, first served basis.

VETERANS

The School has been approved as one of the recognized institutions where U.S.A. and Canadian Veterans may continue their studies. The School tuition fees will therefore be paid by the Department of Veterans' Affairs provided that:

(*a*) U.S. students obtain a Certificate of Eligibility from their local Veterans' Administration Agency.

(*b*) Canadian students obtain a Certificate of Eligibility from their local D.V.A. representative.

The Certificate of Eligibility should be delivered to the Cashier at the time of registration. Failing this, the fees must be paid in full, subject to refund when the Certificate is received.

Veterans in residence will be required to pay the $25.00 registration fee, which will be deducted from the residence charge as the latter will NOT be paid for by D.V.A.

STATUS OF STUDENTS IN THE SCHOOL

(1) FULL-TIME STUDENTS: those paying the full tuition fee and taking the number of courses necessary to qualify for the Certificate.

(2) PARTIALS: those registering for fewer than 6 *Section A* courses or 5 *Section B or C* courses.

M.A. STUDENTS are considered as full-time throughout the four sessions leading to the degree, since they pay the full tuition fee.

A partial student may not hold a scholarship.

Full-time students receive priority in room reservation. Partials may be accommodated in the French House only after the registration of regular students has been completed and if space permits.

SCHOLARSHIPS AND PRIZES

A number of scholarships will be offered for the 1959 session of the French Summer School.

I. *Eight to Ten scholarships*—granted by McGill University and the French Government—the value of which usually varies from $75 to $150 will be offered to students of Colleges and Universities in Canada and the United States;

II. *A $150 scholarship*, offered by the Secretariat of the Province of Quebec, will be specially reserved for a Canadian teaching French in an English-speaking High School in Canada.

These scholarships are open only to those students who:

(a) are qualified to enter *Section B* or *Section C;*

(c) take the courses and final examinations necessary for the *French Summer School Certificate.*

(b) undertake to reside at the French House during the session;

Applications for scholarships should reach the School Secretary on or before May 30. Each application should be supported by

(a) an official transcript of grades sent by the Registrar of the institution attended by the applicant;

(b) TWO confidential letters of recommendation sent *direct* to the Director of the School (Arts Building, McGill University).

Successful applicants will be notified before June 10.

At the School Closing Exercises, a number of book and other prizes will be awarded to students obtaining the highest grades in the final examinations.

FINAL EXAMINATIONS

A final examination is held in each course at the end of the session. Students are strongly recommended to take the final examinations, which are open to partial as well as to full-time students.

Students who fail to write examinations receive no marks, and their work and progress at the School cannot be assessed formally.

No substitute examinations can be arranged in any circumstances whatever.

THE FRENCH SUMMER SCHOOL CERTIFICATE

The curriculum leading to the FRENCH SUMMER SCHOOL CERTIFICATE in any of the three Sections is a definite programme of study which always includes practical work with the language. It aims at building an organized knowledge of the major aspects of the subjects. At the same time it is sufficiently flexible to be adapted to the previous training, aptitudes, and interests of individual students. For this reason members of the Staff advise each student at Registration. Their guidance is also available to those who do not wish to try for the Certificate.

The *Certificate* is a document bearing the signatures of the Dean of the Faculty of Arts and Science, the Registrar of the University, and the Director of the School. It is a record of the courses taken and the grades obtained in the final examinations.

In order to qualify for the Certificate:

Students in *Section A* must *take and pass* 6 examinations (5 if they take Course 1).

Students in *Section B* must *take and pass* 5 examinations (4 if they take Course 25—From Book to Stage).

Students in *Section C* must *take and pass* 5 examinations.

With permission of the Director, *Section C* students may take one course in *Section B*, and *Section B* students one course in *Section A, and still qualify for a Section C or Section B Certificate.* Students who spread their courses over 2 *Sections* (e.g. who take 3 courses in *Section A* and 3 in *Section B*) will qualify for the Certificate of the *lower Section.*

A *First Class Certificate* is awarded for results averaging not less than 80%.

A *Second Class Certificate* is awarded for results averaging between 79% and 65%.

A *Third Class Certificate* is awarded for results averaging between 64% and 50%.

STATEMENTS OF EXAMINATION RESULTS

Students failing to qualify for a *Certificate* (either because they took less than the prescribed number of examinations, or because they failed in one or more examination) receive a STATEMENT OF EXAMINATION RESULTS. This is a document signed by the Director or the School which lists the examinations passed by a student. Failures are not listed.

ACADEMIC CREDITS

Credits may be transferred from the French Summer School to other institutions, usually on the basis of one semester hour for each course taken.

Application for transfer of credits should be addressed to the Registrar of the University, who will forward an official transcript of French Summer School grades on payment of a fee of $1.00. Students who intend to apply such credits towards a degree are recommended to obtain the consent of their own institution to the transfer of French Summer School credits before joining the School.

ACADEMIC CREDIT FOR McGILL STUDENTS

McGill students in the B.A. course, may, in certain circumstances, and by taking a prescribed set of French Summer School courses, obtain credit for a First or a Second Year French course taken during the regular session in the Faculty of Arts and Science.

McGill students wishing to avail themselves of this privilege *must*, before completing registration, consult the Director of the School and the Assistant Dean of the Faculty of Arts and Science. Their approval of each student's programme is necessary for any course taken for credit.

THE FRENCH HOUSE

The residence used as a French House will be Douglas Hall (postal address—3851 University St.).

Douglas Hall is a handsome stone residence of modern design, consisting of eight adjoining "houses" opening on a tree-shaded lawn, in the style of an English country house. It is pleasantly cool in the summer and adjoins playing fields and a large public park. It contains among other amenities a stately Tudor dining-hall, a spacious common-room, a library, and games rooms.

Men and women students will be accommodated in different "houses". They will have single study-bedrooms. The latter are grouped in suites of three or five, each suite having its own sitting-room.

There are a few double rooms. These will be allotted last unless specially requested, and no reduction of residence fee will be made to their occupants.

All rooms are completely furnished. Linen, towels, and blankets are provided.

Meals (breakfast, luncheon, and dinner) are served on the cafeteria system every day, including Sunday, and are under the supervision of a qualified dietitian.

All members of the Staff are in residence and associate freely with students at meals, in the Common Rooms, and in extra-curricular activities. This constant, helpful, and friendly relationship between students and Staff is one of the most valued features of the School and the benefits derived by the students from such informal education cannot be too strongly emphasized.

HEALTH SERVICE

Students in residence in the French House will have the benefit of the University Health Service for counselling and guidance. For emergencies recourse can be had to the Royal Victoria Hospital clinic which adjoins Douglas Hall. Referral to a private physician for other treatment will be arranged but the School cannot assume any responsibility for medical treatment.

In case of illness, the student concerned will be required to pay his medical and hospital fees.

CARS

Owing to parking problems and the congestion of traffic in Montreal, students are advised not to bring their cars to the School.

No student parking will be permitted on the University campus at any time.

Limited parking space (available to Staff and students in residence, *at their own risks*) will be found on the terrace fronting on Douglas Hall. Use of this space will require parking permits which the School will supply after Registration has been completed.

ARRANGEMENTS FOR STUDY AND RECREATION

Regular lecture classes are held in the Arts Building, in the centre of the University campus.

The mornings are devoted to lectures from 9 A.M. to 1 P.M. *Students are required to attend all the lectures for which they have registered.*

The afternoons are free for private study and recreation. However, students *should* attend:

The *French Song Groups*, directed by Mlle Maryvonne Kendergi, which will meet every week day in the Common Room at 2 P.M.

Monday and Wednesday meetings will be exclusively for *Section A* students.

Tuesday and *Thursday* meetings will be for *Section B* and *Section C* students only.

During the evenings there will be:

EACH WEEK: A special lecture
A concert of recorded French music
A showing of French movies

DURING THE SESSION: A students' concert
A treasure-hunt
Two or three evenings of French dramatics

In the Library, students find daily and weekly newspapers from French-speaking countries.

A TV set in the Common Room enables them to watch the excellent programmes from the French Television Network in Montreal.

The "Festival de Montréal" begins during the session. Every summer French plays are performed by the best professional Montreal companies.

In addition, the City of Montreal offers a number of popular attractions, such as the weekly open-air "Concerts Symphoniques" given in the evening on Mount Royal and scores of French restaurants and motion-picture theatres.

For those with a taste for athletics, the University tennis courts and swimming-pool are available on payment of a small fee. (*Note: Whites are required for tennis and no woollen bathing-suits are allowed in the pool.*) The Laurentian Mountains, one of Canada's noted summer play-grounds, are within easy reach by car or train for students who would like to spend short week-ends there.

Those who wish to attend religious services with a French congregation will find both Protestant and Roman Catholic churches within easy walking distance of Douglas Hall.

USE OF FRENCH

Since the French Summer School aims at creating and preserving the spirit and the atmosphere of a French University best suited to needs of originally English-speaking students, it is natural that French should be the language spoken, to the exclusion of all others.

THE EXCLUSIVE USE OF FRENCH *AT ALL TIMES*, IN AND OUT OF CLASS, AND ESPECIALLY IN THE FRENCH HOUSE, IS THEREFORE *ABSOLUTELY COMPULSORY*.

On registering, students will sign a form pledging them to the *NO ENGLISH RULE* for the duration of the session. This rule will come into force immediately after the conclusion of the Opening Ceremony, on 29 June. The rule means that students are in honour bound to speak French when conversing among themselves as well as when talking to the staff. It should not even be necessary to depart from the rule when visiting or shopping in the city of Montreal where French is universally spoken.

The rule may be relaxed in special cases only (illness, visits from and to relatives, or when matters of special importance must be attended to urgently).

The co-operation of all students is expected in maintaining the *NO ENGLISH RULE*. Those who may be doubtful about their ability to keep it strictly should remember that the effort required of them will be less and less as the session progresses. They should bring with them such helps as vocabularies, conversation books, and pocket dictionaries, which will be very useful for the first few days. However, they will soon find that they can dispense with them. As their command of spoken French improves rapidly, they will experience a feeling of achievement, and the greater their enthusiastic adherence to the rule, the better and quicker their progress.

Telephone calls involving the use of English are forbidden in the residence, nor can friends unable to speak French be entertained in the French House.

Students should, in their own interest, refrain from reading English newspapers (seven French newspapers are published in Montreal and French newspapers are received by air-mail from France every day), and listening to radio broadcasts in English (there are five French-speaking radio stations and one French-speaking TV station in Montreal).

Any student who persists in breaking the *NO ENGLISH RULE* will be brought before the Dean of the Faculty of Arts and Science, who may dismiss him from the School.

REDUCED RAILWAY FARES

Arrangements have been made whereby students may obtain reduced fares from all points in Canada. Students wishing to avail themselves of this reduction should buy a single ticket and obtain at the same time a "Standard Certificate". This certificate must then be signed by the Director of the School. On presenting it at the railway ticket office, students may obtain a return coupon at the reduced fare (one-third of the cost of a one-way ticket).

U.S. students from the Great Lakes area will find it advantageous to break their journey at the Canadian border so that they may avail themselves of the reduced fare for the remainder of their passage to and from Montreal.

BAGGAGE

The following is an extract from a memorandum (Series D, No. 12, Supplement No. 1, 15th January, 1936) of the Department of National Revenue, Customs Division:

> "Radios, phonographs, musical instruments and other effects for personal and sporting use, not ordinarily entitled to entry free of duty as travellers' baggage, may be admitted without payment of duty and without deposit provided they are reported to the Customs Office and provided that these articles are imported for the use of the students themselves and will be exported under Customs supervision immediately after the closing of the School."

IMMIGRATION REQUIREMENTS

Students who are not residents of Canada should bring with them for presentation to Canadian Immigration officers the letter informing them that they have been admitted to the School for the 1959 session.

United States citizens should carry some documents of identification such as old passports, birth or baptismal certificates, tax bills, and similar papers in order to facilitate their return to their country.

Students who are citizens of the United States by naturalization should carry their naturalization certificates, and those who have not acquired such status should present evidence that they are legally in the United States and that they will be allowed to re-enter that country after their temporary stay in Canada.

BANKING ARRANGEMENTS

It is recommended to out-of-town students that they bring letters of credit or use traveller's cheques, rather than draw ordinary cheques on their home banks.

COURSES OF INSTRUCTION

SECTION A

Students wishing to qualify for the Certificate must take not less than *six* courses. Course 1, being a six hour course, will be counted as equivalent to two normal courses. Students taking Course 1 need include in their curriculum 4 other courses only.

1. LIVING FRENCH : A NEW ORAL-AURAL APPROACH TO SPOKEN FRENCH

This basic course aims at:

(*a*) developing the student's familiarity with the sounds of the French spoken in everyday life by well-educated French people;

(*b*) building up a comprehensive, organized knowledge of the vocabulary which recurs most frequently in polite conversation;

(*c*) increasing the student's general fluency in speaking French by individual and group practice under experienced specialists.

All Section A students who, at the time of registration, experience difficulty in understanding French when spoken slowly are recommended to take this course. The size of the classes will be strictly limited and students will be grouped according to their proficiency.

Recorded material for this course will be available at the Practice Laboratory.

Mon., Tues., Wed., Thurs., Fri., Sat. at 9.

Mme BERGENS
Mlle DESCHAMPS
M. RABOTIN
M. ROMER

2. FUNCTIONAL GRAMMAR

This course, which will consist of oral and written work, will include:

(*a*) a revision of the rules of French grammar which the average student generally finds somewhat difficult to master (e.g. use of tenses, especially infinitive and subjunctive, relative pronouns, past participles, etc.);

(*b*) written translation work from English into French for the purpose of general grammar review.

Mon., Wed., Fri. at 10.

M. DARIOSECQ
M. EUVRARD
Mlle GINDRE
M. PONS

3. EVERYDAY WORDS AND PHRASES

A systematic study of vocabulary selected for its practical value. Special emphasis will be laid on the fitting of new phrases into the pattern of conversation.

Mimeographed material will be supplied and phonograph records for this course will be available at the Practice Laboratory.

Mon., Wed., Fri. at 11.

Mlle DESCHAMPS
M. EUVRARD
Mlle REVERCHON

4. THE STUDY AND PRACTICE OF FRENCH SPEECH HABITS

This course is designed to develop the student's familiarity with French speech habits. Its aims are:

(1) To emphasize the wide differences between spoken and written French and, by intensive drill, to accustom the student's ear to French sounds and rhythms, as well as to help him recognize words within the context of the spoken sentence—in other words to *hear* French;

(2) to improve the student's French pronunciation by individual and group practice of vowels, consonants, rhythms, and intonation. Exercises will include the learning and repetition of carefully graded passages of conversational and literary French.

Phonograph records for this course will be available at the Practice Laboratory.

Tues., Thurs., Sat. at 11. — Mme BERGENS, Mme DARIOSECQ, M. BONDY

5. MODERN FRENCH PROSE

The purpose of this course is to improve a student's ability to read quickly, yet accurately, modern French prose of quality. The course is recommended to students who will require later on a good reading knowledge of French.

Tues., Thurs., Sat. at 10. — Mme DARIOSECQ, M. DARIOSECQ, M. PONS

6. LANDMARKS IN 19TH CENTURY FRENCH LITERATURE

This course is specially designed for college students. It will be given in lecture form and will require a somewhat higher standard of aural comprehension than the courses listed above. It will *not* be a general survey course, but a vivid presentation of the outstanding literary figures of the period

Mimeographed material will be supplied for this course.

Tues., Thurs., Sat. at 12. — M. CHAVY

7. THE FRENCH SONG

French songs belong to all periods of French history and to all classes of French society. They are one of the best means of understanding France and its civilization: its history, geography, customs, and language.

A selection of French songs from the Middle-Ages to modern times will be studied in this course. Students will be both audience and artists, and will take part in the singing of the songs on the programme.

Mimeographed material will be supplied.

Mon., Wed., Fri. at 12:15 — Mlle KENDERGI

(Douglas Hall Common Room)

SECTION B

Students wishing to qualify for the Certificate must take not less than *five* courses and include in their curriculum *three* courses in Language (one of which must be Course 10 or Course 11 or Course 12) and *two* courses in Literature and Civilization. In certain circumstances, this proportion may be altered with the Director's permission. Students in Section B who take Course 25 need register for only 3 other courses (2 language courses and 1 course in literature or civilization).

LANGUAGE COURSES

Courses will be given at different hours to allow a greater number of students to fit them into their individual time-tables.

10. COMPOSITION AND TRANSLATION

The purpose of this course is to review grammar whenever the opportunity occurs and to develop accuracy in the use of vocabulary and correctness in syntax by means of graded exercises, short compositions, and translations into French.

Tues., Thurs., Sat. at 9. — Mlle REVERCHON
at 10. — Mlle GINDRE
at 11. — M. EUVRARD

11. FREE COMPOSITION

The aim of this course is to develop fluency in written French by practising the forms of writing which students are most likely to need: letters, summaries, reports, essays, etc.

Tues., Thurs., Sat. at 9. — Mlle GINDRE
at 10. — Mlle DESCHAMPS

12. ORAL PRACTICE IN SELF-EXPRESSION

This course will consist of prepared discussions on assigned subjects with special emphasis on correct sentence building and on accuracy in the use of an idiomatic vocabulary.

Tues., Thurs., Sat. at 9.	M. DARIOSECQ
at 10.	Mme BERGENS
at 11.	M. PONS

13. FRENCH PHONETICS

An elementary but attractive study of French sounds and of their rendering in the symbols of the International Phonetic Alphabet. The course will include periods of intensive practice in the afternoons when correction of individual speech defects will be given special attention. Students will have at their disposal up-to-date phonetic equipment and recording machines of various types.

Mimeographed material will be supplied and phonograph records for this course will be available at the Practice Laboratory.

Mon., Wed., Fri. at 9.	Mme DARIOSECQ
at 10.	M. BONDY
at 11.	M. BONDY

14. DICTION

This popular course aims at a better appreciation of the aesthetic qualities of French used orally in prose and in verse. It will feature a number of special exercises designed to correct defects in pronunciation and intonation.

Mimeographed material will be supplied and phonograph records for this course will be available at the Practice Laboratory.

Mon., Wed., Fri. at 9.	M. CHAVY
at 10.	Mme DARIOSECQ

15. EXPLICATION DE TEXTES

This course is an introduction to the analytic French approach to the detailed study of literature. The method will be demonstrated and practised on selected passages of high literary and artistic quality. As the course bridges the gap between language and literature courses, College students majoring in French will find it both helpful and stimulating.

Mon., Wed., Fri. at 9.	Mme FURNESS
at 10.	Mme FURNESS
at 11.	M. PONS

20. CORNEILLE ET RACINE

Not only did French classical tragedy perfectly express the moral and artistic ideals of its age, but it also deeply influenced the growth of European literature as a whole. It thus stands out at the very core of our Classical tradition, and any serious student of the Humanities should be intimately acquainted with Corneille and Racine. Both deserve careful reading and leisurely re-reading: the reward in literary enjoyment will be a rich one.

Texts studied in class: Corneille: *Le Cid*
Polyeucte
Racine: *Andromaque*
Phèdre

Readings: Corneille: *Horace*
Cinna
Racine: *Britannicus*
Mithridate

(Texts and readings are available in *Petits Classiques Larousse*)

Tues., Thurs., Sat., at 10. Mme FURNESS

21. VOLTAIRE

The XVIIIth century is the age of Voltaire, and there can be no better introduction to the French literary scene in the reign of Louis XV than a survey of the life and writings of the *Patriarche de Ferney*. The course will consider Voltaire as a man, a philosopher, a historian, a dramatist, a story-teller, a letter-writer, and will conclude with an assessment of his contribution to the intellectual evolution of Europe.

Texts studies in class: Voltaire: *Oeuvres philosophiques*
Le siècle de Louis XIV
Contes (Vol. 1 and Vol. 2)

Readings: Voltaire: *Lettres*

(All texts and readings in this course will be those of *Petits Classiques Larousse*)

Mon., Wed., Fri., at 10 Mlle REVERCHON

22. LES GRANDS THÈMES LITTÉRAIRES, MORAUX ET SOCIAUX DU ROMANTISME (1820-1855)

Le Romantisme n'a pas été seulement une école littéraire; il a représenté une étape historique de la civilisation française, un ensemble complexe de modes et de sentiments. On étudiera dans le cours les principaux thèmes

psychologiques de l'époque, l'alternance de l'extase et du *spleen*, les développements de l'art, de l'amour et de l'imagination.

Texts:
Chateaubriand: *Pages choisies*
Victor Hugo: *Poésies choisies*
Lamartine: *Poésies choisies*
Musset: *Poésies choisies*
Vigny: *Poésies choisies*
Gautier: *Poésies choisies*

(All texts in this course will be those of the *Collection Classiques Illustrés Vaubourdolle, Hachette*)

Tues., Thurs., Sat. at 11. M. Hoog

23. GUSTAVE FLAUBERT

"L'Art est assez vaste pour occuper tout un homme. En distraire quelque chose est presque un crime, c'est un vol fait à l'Idée, un manque au devoir." Telle est la profession de foi de Flaubert, romantique de tempérament qui se fit réaliste par idéal. Nul n'a plus influencé, au XIXe siècle, l'art du roman que le grand solitaire du Croisset, devenu chef d'école malgré lui. En conciliant les exigences de l'observation minutieuse du réel et celles d'une nature lyrique, il a donné au roman un *style*.

Texts: Flaubert: *Madame Bovary* (Scribner's)
Trois contes (Petits Classiques Larousse)

Readings: Flaubert: *L'Education Sentimentale*

Mon., Wed., Fri. at 9 M. Dariosecq

24. POST-WAR FRANCE: A SURVEY OF POLITICAL, SOCIAL AND ECONOMIC LIFE FROM 1945 to 1959

This course will not only offer an historical review of the highlights of France's political, social and economic life in the last 15 years. It also proposes to give a factual presentation and an analysis of some major problems:

in the political field: Constitutional problems of 1946
Governmental instability
Role of the Communist Party
North and Central African Issues
De Gaulle and the Fifth Republic

in the economic field: Impact of the Marshall, Monnet, and Schumann Plans
Currency devaluations and Trade balance
Technological progress in industry

in the social field: Social Security and the Welfare State
Population trends and the breakdown of the pre-war social order.

As background material for this course is not readily available in book form, mimeographed material will be supplied.

Tues., Thurs., Sat. at 9. M. LAUNAY

25. FROM BOOK TO STAGE (*Double course*)

This course will feature 4 comedies from the classical repertoire of the Comédie Française and scenes from 3 modern plays. Course time will be equally divided between literary analysis of the texts in the lecture-room and practical work with the texts on the stage. In practice, emphasis will be placed on correct elocution and recordings of well-known French actors will be used for demonstration purposes.

Students taking this course will be expected to take part in the final dramatic production of the School and to attend rehearsals as necessary, in the afternoons and evenings. No previous acting experience is required, but a measure of enthusiasm for the theatre and the willingness to learn a part are prerequisites.

Texts: Molière: *Le Malade imaginaire*
Tartuffe
Beaumarchais: *Le Mariage de Figaro*
(all three in *Classiques Illustrés Vaubourdolle, Hachette*)
Alfred de Musset: *On ne saurait penser à tout* (Garnier)
Edmond Rostand: *Cyrano de Bergerac* (Harper's)
Marcel Pagnol: *Marius* (Le Livre de Poche, Fasquelle)
Jean Anouilh: *La Répétition ou l'Amour puni* (Petits Classiques Larousse)

Mon., Wed., Fri. at 11.15 Lecture M. RABOTIN
at 2 p.m. Practice and Assistants
(Douglas Hall Library)

26. LA MUSIQUE EN FRANCE AU XXe. SIÈCLE: DE L'IMPRESSIONNISME DEBUSSYSTE À LA MUSIQUE ÉLECTRONIQUE (1900-1959)

This course is designed to acquaint students with one of the most stimulating aspects of France's contribution to the artistic expression of

our age. Music, as a means of communication, knows no frontiers, but it is, none the less, deeply rooted in its country of origin. The humanistic concern, which is the hallmark of French culture, runs through the changing musical styles of the present century, from Claude Debussy to Olivier Messiaen and Pierre Boulez, giving them a unity of purpose which transcends their differences in form.

A number of non-French composers who found in post-war Paris the atmosphere and inspiration necessary to artistic creation will join the gallery of French-born musicians under review.

(*Open to Section C students, with permission of the Director*)

Text: Claude Rostand: *La musique francaise contemporaine*
(Collection *Que sais-je?*—Presses Universitaires de France)

Readings: Norbert Dufourcq: *La musique francaise* (Larousse)

Tues., Thurs., Sat. at 12.15 Mlle KENDERGI

(Douglas Hall Common Room)

SECTION C

Students wishing to qualify for the Certificate must not take less than *five* courses.

M,A. students must take certain courses listed on page 4040.

LANGUAGE COURSES

30(a) FRENCH STYLISTICS

While stylistics is a relatively new province of the vast field of linguistics, experience has shown that students of graduate calibre desirous of writing French with better than textbook accuracy derive great benefit from a serious study of it.

The complexity of the subject would however make a survey of it comparatively useless. Details must be gone into and, for that reason, the substance of the course has been evenly divided between 30(a) and 30(b), both of them full courses offered in alternate years.

30(a) dealing with homonymy, synonymy, comparisons, images, the uses of various figures of speech, and the syntax of informal French, is offered in 1959, and will again appear on the programme of 1961.

30(b)—given in 1958 and to be offered again in 1960—includes a review of the "levels of speech" and an analysis of the means devised by creative writers to clothe their ideas and feelings in a truly artistic and literary garb.

This is a compulsory course for M.A. students. They are required to take both *30(a)* and *30(b)* over two separate years.

Tues., Thurs., Sat. at 11. M. CHAVY

31. ADVANCED COMPOSITION

An intensive seminar in translation from English into French. The passages translated are taken from modern English and American writers. Written work is assigned for each class and will be individually corrected. The size of the class is limited.

Tues., Thurs., Sat. at 10. Mlle REVERCHON

32. ADVANCED PHONETICS

This course is open to students who have passed course 13 or its equivalent.

Review of the formation of French sounds and the laws governing their occurrence. Dynamics of speech (vocal harmony, assimilation, rhythms, and patterns of intonation).

This course will include the study of texts ranging from everyday familiar French to academic discourse and poetry, in order to bring out the phonetic features of the different levels of speech.

The course is recommended to teachers of French.

Phonograph records for this course will be available at the Practice Laboratory.

Mon., Wed., Fri. at 9. M. BONDY

COURSES IN LITERATURE AND CULTURE

40. LA COMÉDIE AU XVIIIe SIÈCLE

Au XVIIe siècle, Molière avait porté la comédie classique à son point de perfection. Il eut, au siècle suivant, quelques continuateurs; mais, très tôt, ses successeurs durent se livrer à des créations originales pour renouveler le genre comique et satisfaire aux goûts de leurs contemporains. Ainsi naquirent la comédie d'analyse de Marivaux et la comédie sociale et satirique de Beaumarchais, qui feront l'objet principal de ce cours.

Textes étudiés: Marivaux: *Le Jeu de l'amour et du hasard*
La double inconstance

Beaumarchais: *Le Barbier de Séville*
Le mariage de Figaro

Lectures: Regnard: *Le légataire universel*
Lesage: *Turcaret*
Marivaux: *Les fausses confidences*
Sedaine: *Le philosophe sans le savoir*

(Textes étudiés et lectures sont tous publiés dans les *Petits Classiques Larousse*)

Mardi, Jeudi, Samedi à 9 h. Mme FURNESS

41. STENDHAL

On ne peut considérer l'oeuvre étrangement diverse de Stendhal sans la mettre en relation avec la personnalité complexe de l'auteur. Entre les deux s'instaure un jeu perpétuel de sentiments, d'échanges, de travestissements. C'est dans cette perspective psychologique et historique autant que littéraire que l'on se propose d'étudier la création stendhalienne, tout particulièrement dans les romans.

Textes étudiés: Stendhal: *Le Rouge et le Noir*
La Chartreuse de Parme

(Edition Garnier ou Editions de la Pléiade)

Lectures: Au choix, un des romans suivants: *Armance*
Lucien Leuwen
Chroniques Italiennes

Lundi, Mercredi, Vendredi à 11 h. M. HOOG

42. BAUDELAIRE

Baudelaire n'est pas seulement l'un des plus grands poètes français, il est aussi l'initiateur d'une nouvelle conception de la poésie, et, en ce sens, le premier des modernes.

Le cours s'efforcera de considérer principalement trois aspects de l'oeuvre baudelairienne:

1. l'aboutissement du Romantisme
2. la poésie du regard en arrière
3. la modernité

Textes étudiés: Baudelaire: *Les Fleurs du Mal* (Ed. Garnier)
L'Art Romantique (Ed. Cailler ou Ed. Lemerre)

Lectures: Baudelaire *Journaux intimes* (Ed. José Corti)

Mardi, Jeudi, Samedi à 12 h. M. HOOG

43. ROGER MARTIN DU GARD

Quand Roger Martin du Gard reçut le Prix Nobel de Littérature en 1937, le grand public français fut surpris de cette distinction. On lut son oeuvre, on la trouva belle, mais on l'oublia vite, et les critiques s'en sont détournés depuis vingt ans: ils trouvaient sa technique romanesque trop traditionnelle, et *Les Thibault* leur semblait un roman de la famille bourgeoise dans la tradition naturaliste.

A la lecture cependant, l'oeuvre de Roger Martin du Gard apparait étonnamment moderne. Elle a certes moins vieilli que les autres grands romans-fleuves de l'époque. On se propose, par l'étude de la technique, des théories, de la structure et des attitudes des personnages, de découvrir pourquoi.

Lectures: Roger Martin du Gard *Jean Barois* (Gallimard)
Les Thibault (Gallimard)
Claude-Edmonde Magny: *Histoire du Roman francais, T. 1* (Coll. Pierre Vives, Plon)

Lundi, Mercredi, Vendredi à 12 h. M. EUVRARD

44. LITTÉRATURE D'AUJOURD'HUI: L'ANTI-ROMAN ET L'ANTI-THÉATRE

Dans sa préface à *Portrait d'un Inconnu* (de Nathalie Sarraute), Jean-Paul Sartre propose de nommer *anti-romans* un certain nombre d'oeuvres récentes qui mettent en question le roman lui-même, ses techniques traditionnelles et ses méthodes d'analyse psychologique. On a également parlé d'*anti-théatre* pour désigner des pièces qui s'efforcent de renoncer à l'intrigue et au dialogue.

Ce cours se propose d'étudier quelques oeuvres représentatives de ce mouvement actuel, en montrant l'influence qu'ont pu avoir sur lui la philosophie existentialiste et l'exemple de quelques grands écrivains du XXe siècle (Proust, Kafka, Joyce, Faulkner).

Lectures: Jean-Paul Sartre: *La Nausée* (Gallimard)
Nathalie Sarraute: *Martereau* (Gallimard)
ou
Portrait d'un Inconnu (Gallimard)
Michel Butor: *L'emploi du temps* (Ed. de Minuit)
ou
La modification (Ed. de Minuit)
Alain Robbe-Grillet: *Le Voyeur* (Ed. de Minuit)
ou
La Jalousie (Ed. de Minuit)

Samuel Beckett: *En attendant Godot* (Ed. de Minuit)
ou
Fin de partie (Ed. de Minuit)
Adamov: *La cantatrice chauve* (Ed. de Minuit)
Ionesco: *Ping-Pong* (*Théatre, Vol. 2*) (Gallimard)

Lundi, Mercredi, Vendredi à 9 h. Mlle GINDRE

45. LA CINQUIÈME RÉPUBLIQUE

Au cours du mois de Mai 1958, la formation, en Algérie, de Comités de Salut Public appuyés par l'Armée, fit soudain peser une lourde menace sur la démocratie parlementaire. Pour résoudre cette crise dangereuse, le Général de Gaulle, muni de pouvoirs exceptionnels, prit en main le gouvernement de la France le 1er juin. Le 4 octobre, le Président de la République, M. Coty (que le Général de Gaulle devait remplacer à l'Elysée le 8 janvier 1959) promulguait une nouvelle *Constitution*, approuvée par 82.5% des électeurs au Référendum du 28 septembre. La Cinquième République était née . . .

Le cours passera en revue

(a) les causes, proches et lointaines, de la récente crise de régime;

(b) le texte même de la nouvelle *Constitution* et les modifications que ce texte (ainsi que celui des Ordonnances et Lois qui le complètent) ont apporté aux institutions françaises;

(c) la composition du nouveau Parlement et les mesures prises par les Gouvernements De Gaulle et Debré pour amorcer l'oeuvre de rénovation en France métropolitaine et en Afrique.

Lectures: Les étudiants recevront le texte imprimé de la *Constitution* et pourront consulter des recueils de textes officiels et officieux mis à leur disposition au Secrétariat.

Mardi, Jeudi, Samedi à 10 h. M. LAUNAY

SPECIALIZED COURSES

50. FRENCH IN TO-DAY'S DIPLOMACY AND PROTOCOL

This specialized course is offered to students interested in careers with the Foreign Services of their own Countries and or with International Organizations.

The course is open to students admitted, or admissible, to *Section C* of the French Summer School. With permission of the Instructor, students admitted, or admissible to *Section B* of the School, may be allowed to enrol.

While partial students may take this course as a separate unit, they cannot expect full benefit from it unless they have attained a degree of fluency in spoken, and correctness in written French. Students whose French needs brushing-up are advised to take one or two language courses in conjunction with Course 50. Recommended courses are: in *Section B:* 10 (Translation), 11 (Free Composition) and 12 (Oral Practice in Self-Expression); in *Section C:* 30 (Stylistics) and 31 (Advanced Composition).

Full-time students may include this course in the five-course programme required to qualify for the *French Summer School Certificate.*

Partial students who take and pass the final examination will receive a *Statement* to that effect.

The course will cover the following points: Diplomatic language; order of precedence; causes and effects of the changing aspects of modern diplomacy. Techniques of oral and written communications; style and terminology used in diplomacy and in international organizations both inter- and non-governmental. Problems of technical semantics and administrative formulae.

Illustrations for the course will be drawn from current practice and recent history.

Documentation has been specially collected over the post-war years from the Secretariats of the United Nations and its Specialized Agencies, and from the Ministries of External Affairs of Belgium, Canada, France, Switzerland and other countries.

Students intending to take this course are advised to register well in advance, as class enrolment will be limited to 20.

Mon., Wed., Fri. at 10. M. ROMER

51. L'ENSEIGNEMENT DU FRANÇAIS ET SES PROBLÈMES.

Si la première qualité d'un professeur de langues vivantes est de bien posséder les langues qu'il enseigne, la seconde est certainement de connaître et d'appliquer les méthodes pédagogiques les mieux adaptées à son tempérament, à sa matière et au niveau de ses élèves.

Or, les techniques d'enseignement ont beaucoup évolué depuis quinze ans. Les nouveaux manuels se sont multipliés et les "querelles de méthodes" ont pris de l'ampleur. Aussi l'Ecole Française d'Eté pense-t-elle remplir un rôle utile en fournissant à ses étudiants l'occasion d'étudier les problèmes que pose aujourd'hui l'enseignement du français, au niveau secondaire comme au niveau universitaire.

Au cours des réunions de ce séminaire, les professeurs de l'Ecole exposeront leurs propres méthodes, et les assistants seront invités à présenter leur propre point de vue. Cette mise en commun de notre expérience pédagogique doit être pour tous un enrichissement professionnel.

Les réunions (ouvertes à tous les étudiants) auront lieu à la bibliothèque de Douglas Hall, les mardi et jeudi de juillet, à 4 h. 30. Elles seront dirigées par M. CHAVY, qui a assumé la responsabilité du programme.

PROGRAMME

Jeudi 2 juillet: Introduction—Méthodes d'enseignement du français.
Mardi 7 juillet: L'enseignement de la prononciation.
Jeudi 9 juillet: L'enseignement du vocabulaire.
Mardi 14 juillet: L'enseignement de la grammaire.
Jeudi 16 juillet: La traduction et ses problèmes.
Mardi 21 juillet: L'étude de la civilisation française.
Jeudi 23 juillet: L'étude de la littérature française.
Mardi 28 juillet: Tests et examens de français.

READINGS IN ADVANCE

Students are strongly advised to do the reading for the literature courses they plan to attend before the School opens. This will give them more time for detailed study during the session, and enable them to keep up with their daily assignments.

TEXTBOOKS

All the textbooks required for individual courses will be found at the McGill University Book Store, 3416 McTavish Street.

Books for readings will be available at the University Library but students will be well advised to purchase at least some of them either before they come to the School or at book shops in Montreal where, by special arrangement, stocks of these books will be kept during the session.

Titles of textbooks not listed in this Announcement will be available by the end of April, and the School Secretary will mail them on request to students accepted at the School.

All students should bring with them the grammars and dictionaries with which they are familiar.

REGULATIONS FOR THE MASTER OF ARTS DEGREE

1. All work carried on towards an M.A. degree in the French Summer School is under the control and supervision of the Department of French in the Faculty of Graduate Studies of the University.

2. REQUIREMENTS FOR THE MASTER'S DEGREE

(*a*) The student must hold the degree of B.A. from McGill University, or from another institution of recognized standing, with at least second class Honours in French, or the equivalent of second class Honours in French as granted by McGill University—which must include the ability to speak French with some fluency and a sound knowledge of French literature from 1600 to 1950.

(*b*) A student, qualified as in 2(*a*), must complete four sessions in the Advanced Section of the French Summer School with at least second class standing in the final examinations of each session (i.e. the pass mark for M.A. students is 65%).

(*c*) The student must prepare and present a thesis, written in French which must be in some measure a contribution to knowledge Its preparation is carried out under the direction of the French Department.

3. Students applying for admission to the *Section C* of the Summer School, with the intention of proceeding towards the M.A. degree, should, as soon as possible, have a transcript of their academic record sent for appraisal to the Director of the School.

Students whose records are considered to be the equivalent of the B.A. degree with at least second class Honours in French as granted by McGill University will be notified of their eligibility for future admission to the Faculty of Graduate Studies of the University. At the end of their second session they will be required to register in that Faculty as candidates for the M.A. degree, provided that they have completed the course requirements for the first two sessions.

Students who hold a B.A. degree but whose records are not considered to be the equivalent of the McGill B.A. with at least second class Honours in French may be allowed to make up the deficiency by taking more courses during their third and fourth summer sessions.

M.A. students will not be required to re-register in the Graduate Faculty at the end of the third Summer Session, but will do so at the end of the fourth.

4. In the case of students of Honours standing, the first summer session consists of five courses, the second of four courses, the third of three courses, and the fourth of two courses, each course consisting of three lectures per week. The decreasing number of courses through the four sessions enables the student to devote more time to the preparation of his thesis, which must begin in the third session. Each student works under the guidance of a director of research who is a member of the Summer School Staff. The only listed course which may be taken for credit in more than one session is *31, Advanced Composition* (see below).

Students may be required to take certain courses which are changed from year to year, and in any case:

30—FRENCH STYLISTICS. Students are advised to take 30(a) during their first or second session, and 30(b) during their third or fourth.

31—ADVANCED COMPOSITION. A minimum mark of 65% must be obtained in the final examination of this course, and the course must be repeated until this requirement has been met. As its material is varied each year, it can be taken a second summer for credit. If taken more than twice, it must then be carried as an extra course.

5 With the approval of the Graduate Faculty, one of the summer sessions, except the first, may be replaced by equivalent work in France or at another French Summer School.

FEES FOR M.A. STUDENTS

1. *School Fees.*

M.A. candidates pay the full sessional fee of $330 (registration, tuition, room, and board) or $150 (registration and tuition only) for each summer session during which they take courses.

M.A. candidates who have completed the courses required for the degree but have not completed the thesis, and are attending colloquia, will be charged at the rate for a single regular course.

2. *University Fees.*

The University fee for the M.A. degree is $500. A credit of $122.50 is allowed for each session a student spends in *Section C* of the French Summer School. Thus a student who has attended four sessions will be required to pay only $10.00 when he registers at the office of the Dean of the Faculty of Graduate Studies at the end of his fourth session. If the presentation of the thesis is postponed beyond the May following this registration, the student will pay an additional registration fee of $10.00 at the beginning of the session in which the thesis is to be presented. Students who obtain their M.A. degree via the French Summer School are excused the "in absentia" fee.

McGILL UNIVERSITY LIBRARY

TIMETABLE

	SECTION A		SECTION B		SECTION C	
Time	Monday-Wednesday Friday	Tuesday-Thursday Saturday	Monday-Wednesday Friday	Tuesday-Thursday Saturday	Monday-Wednesday Friday	Tuesday-Thursday Saturday
9	1. Living French	1. Living French	13(a) Phonetics 14(a) Diction 15(a) Explication de textes 23. Flaubert	10(a) Composition and Translation 11(a) Free Composition 12(a) Oral practice in self-expression 24. Post-war France	32. Advanced Phonetics 44. Anti-Roman and anti-théatre	40. 18th Century French comedy
10	2. Functional Grammar	5. Modern French Prose	13(b) Phonetics 14(b) Diction 15(b) Explication de textes 21. Voltaire	10(b) Composition and Translation 11(b) Free Composition 12(b) Oral practice in self-expression 20. Corneille and Racine	50. French in Diplomacy and Protocol	31. Advanced composition 45. The Fifth Republic
11	3. Everyday words and phrases	4. French speech habits	13(c) Phonetics 15(c) Explication de textes 25. From Book to Stage (11.15—Lecture at D.H.)	10(c) Composition and Translation 12(c) Oral practice / in self-expression 22. Le Romantisme	41. Stendhal	30(a) Stylistics
12	7. The French Song	6. 19th Century French Literature		26. French Music 1900-1959 (12.15—D.H.)	43. Roger Martin du Gard	42. Baudelaire
2 Douglas Hall	Chansons françaises		25. From Book to Stage (Practice)	Chansons françaises		Chansons françaises

On Tuesdays and Thursdays, in July, at 4.30 p.m., Douglas Hall Library: *Course 51:* Seminar on Teaching Problems.

PERSONAL TIMETABLE

Course No.	Day and Time	Class Room No.	Instructor

CONVERSATION GROUPS OFTEN PREFER TO MEET ON THE LAWN
(In the background the new University Library)

McGILL UNIVERSITY LIBRARY

EVERYBODY SINGS!
(One of the French song groups in afternoon session.)

Macdonald College

McGill University

Faculty of Agriculture
School of Household Science
1959-1960

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office, McGill University, Montreal 2, Quebec.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
**Faculty of Graduate Studies and Research*
**Institute of Education*
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
**Macdonald College* (Faculty of Agriculture, School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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* These Announcements are also available through the Registrar's Office, Macdonald College.

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McGILL UNIVERSITY

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His Excellency the Right Honourable Vincent Massey, C.H., Governor General of Canada

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(McGill University)

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SCHOOL OF HOUSEHOLD SCIENCE

The School of Household Science is under the administrative jurisdiction of the Faculty of Agriculture.

DIRECTOR:—HELEN R. NEILSON, M.B.E., B.H.S., M.Sc., *Professor of Home Economics, Warden, Laird Hall and Director of Women's Residences*

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DOROTHY A. NICHOL, B.Sc.(Phys.Ed.), *Lecturer in Education (Institute of Education)*

MARGARET R. STEWART, B.H.S., *Lecturer in Home Economics: Dietitian*

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HANDICRAFT DEPARTMENT

HELENA NEIJZEN, *Instructor*

FRANCES WREN, *Instructor*

McLENNAN TRAVELLING LIBRARY

KATHLEEN CLYNES, *Librarian*

Many officers of instruction give classes in all divisions of Macdonald College; their names appear under that division in which the major portion of their work is done.

CALENDAR FOR SESSION 1959-60

1959

September 10th, Thursday.....Supplemental examinations begin, B.Sc. (Agr.) and B.Sc. (H.Ec.) courses.

September 11th, Friday.....Registration, all years, Institute of Education. Second and Third year students report for practice teaching.

September 12th, Saturday.....Registration, Fourth year B.Sc. (H.Ec.) Teaching Option, Fourth year B.Sc. (Agr). taking Agr. Eng. 439.

September 14th, Monday.....Registration, Second year B.Sc. (H.Ec.). Lectures begin, First year and all Diploma courses, Institute of Education.

September 15th, Tuesday.....Registration, First year B.Sc. (Agr.) and First year B.Sc. (H.Ec.).

September 16th, Wednesday... } Freshman Orientation. Attendance is com-
to } compulsory for all new First year students in
September 19th, Saturday, Incl. } B.Sc. (Agr.) and B.Sc. (H.Ec.) courses.

September 17th, Thursday.....Registration Third year B.Sc. (Agr.).

September 18th, 19th, Friday, Saturday.....Student Tours, Third year B.Sc. (Agr.)

September 19th, Saturday.....Registration, all other years, B.Sc. (Agr.), B.Sc. (H.Ec.), Handicrafts and advanced Diploma course.

September 21st, Monday.....Lectures begin for B.Sc. (Agr.), B.Sc. (H.Ec.), Handicrafts and Advanced Diploma course.

October 6th, Tuesday.....Fall Convocation.

October 12th, Monday.....Thanksgiving Day. No Classes.

October 15th, Thursday.....Supplemental examinations begin, Diploma course.

October 19th, Monday.....Registration, Diploma course.

October 20th, Tuesday.....Lectures begin, Diploma course.

November 3rd, Tuesday.....Annual Assembly, 3:45 P.M.

November 11th, Wednesday.....Remembrance Day Service, 10:30 A.M.

December 16th, Wednesday.....Last day of lectures in first term, Institute of Education.

December 17th, Thursday, to December 22nd, Tuesday, Incl...First term examinations, Institute of Education.

December 22nd, Tuesday.....Last day of lectures in first term, all courses other than the Institute of Education.

1960

January 4th, Monday.....First term examinations begin, Agriculture and Household Science. Lectures resumed, First and Second years and all diploma courses, Institute of Education.

January 11th, Monday.....Lectures begin, second term, Agriculture and Household Science.

January 11th, Monday to January 22nd, Friday, Incl.....Practice teaching period, all diploma sections, Institute of Education.

February 10th, Wednesday.....Macdonald College Founder's Day. No afternoon classes. (*Sir William C. Macdonald, born February 10th, 1831, died June 9th, 1917.*)

February 18th, Thursday.....Macdonald Royal. No classes.

March 22nd, Tuesday.....Last day of lectures, Diploma course.

March 24th, Thursday.....Examinations begin, Diploma course.

March 31st, Thursday.....Graduation Exercises, Diploma course.

April 4th, Monday to April 14th, Thursday, Incl......Practice teaching period, all diploma sections, Institute of Education.

April 10th, Sunday.....Baccalaureate Service, 3:00 P.M.

April 14th, Thursday.....Last day of lectures, B.Sc. (Agr.), B.Sc. (H.Ec.) courses, and the Institute of Education academic courses.

April 15th, Friday to
April 18th, Monday, Incl. — Easter vacation.

April 20th, Wednesday — Examinations begin, B.Sc. (Agr.), B.Sc. (H.Ec.) courses, and the Institute of Education academic courses.

May 2nd, Monday — Session ends for B.Sc. (Agr.) and B.Sc. (H.Ec.) students.

May 9th, Monday to
May 26th, Thursday, Incl. — Practice teaching period, Institute of Education.

May 13th, Friday — Last day of lectures, First year and all diploma courses, Institute of Education.

May 16th, Monday — Examinations begin, First year and all diploma courses. Institute of Education.

May 27th, Friday — Convocation.

May 29th, Sunday — Divine Service, Institute of Education and Handicrafts students.

June 1st, Wednesday — Graduation Exercises, Institute of Education, School of Household Science and Handicrafts students.

Macdonald College

Macdonald College, which was founded and endowed by the late Sir William C. Macdonald, is incorporated with McGill University, and is situated twenty miles west of Montreal, at Ste. Anne de Bellevue, Que. It is composed of the Faculty of Agriculture, which includes the School of Household Science, and of the School for Teachers for the Protestant schools of the Province of Quebec.

FACULTY OF AGRICULTURE

The work of the agricultural departments of the College falls into three main divisions: teaching, research, and extension. Teaching and research form the major part of their work. Extension service is undertaken by departments as the need or opportunity may arise.

Information on extension work under the Macdonald College Extension Service will be found on page 4518.

SCHOOL OF HOUSEHOLD SCIENCE

The School of Household Science is an integral part of the Faculty of Agriculture. The main function of the School is teaching, both in relation to the home and for professional service in institutions.

SCHOOL FOR TEACHERS

The School for Teachers is a School of McGill University, controlled by a committee established under an agreement with the Government of the Province of Quebec. The School is under the jurisdiction of the Institute of Education and the Faculty of Arts and Science, and offers diploma courses for kindergarten, elementary, intermediate and High School teachers. Courses leading to the Bachelor of Education degree are also offered through the Institute. Information on the School for Teachers is included in the announcement of the Institute of Education, issued separately.

THE INSTITUTE OF PARASITOLOGY

The Institute of Parasitology, attached to the Faculty of Graduate Studies and Research, is located at Macdonald College. This Institute is governed by a joint committee of the National Research Council and McGill University, and has, as its main functions, the prosecution of research on animal parasites and the instruction of graduate students.

GENERAL INFORMATION

Ste. Anne de Bellevue, Que., is twenty miles west of Montreal, on the main lines of the Canadian National Railway and the Canadian Pacific Railway, and on provincial highways No. 2 and No. 17. Travellers by air book to the Montreal Airport at Dorval, which is approximately ten miles east of the College. The Anglican Church of Canada, the United Church of Canada and the Roman Catholic Church in Canada all have churches in the town. Students of all religious denominations are free to enter Macdonald College. A branch of the Bank of Montreal serves the community.

The College has its own post office and mail should be addressed simply Macdonald College, Que. The address for freight and express parcels, and for telegrams, is Macdonald College, Ste. Anne de Bellevue, Que.

Key telephone numbers are: Switchboard (connecting all departments), Ste. Anne de Bellevue 5335; Brittain Hall, 9082, 9086; Stewart Hall, 9008, 9095; Harrison House, 4407.

FACILITIES

Sir William Macdonald planned so well for future needs that the facilities of Macdonald College for instruction in Agriculture, Home Economics and Teaching are still provided almost entirely in the buildings constructed in 1905. The picturesque brick buildings and red-tile roofs of the Chemistry, Biology, Agriculture and Main Buildings, together with Stewart, Laird and Brittain Halls (residences for women and men), and the well laid out grounds on the shore of Lake St. Louis, combine to provide a campus which is attractive and functional.

Laboratory and lecture rooms are exceptionally well supplied with modern and efficient teaching facilities, while the reference section of the Library and the research laboratories associated with the various science departments are well equipped to permit the vigorous investigation of problems connected with postgraduate studies.

The land associated with the College consists of approximately 1600 acres, at the western end of the Island of Montreal, and is largely in the Parish of Ste. Anne du Bout de l'Ile, Jacques Cartier County. The campus proper consists of about 200 acres south of the Trans Island Boulevard, and contains the Orchard, Horticulture plots and the Poultry ranges. The Stock Farm has good examples of Holstein, Ayrshire and Aberdeen Angus cattle, Cheviot sheep, and Yorkshire hogs. The Agronomy Farm includes the land devoted to the development of new varieties of crops and comparative testing of new varieties and management practices.

The College farm represents a wide variety of the soils of the Ottawa St. Lawrence Valley Lowland, with podsols, brown forest and dark-grey gleizolic (poorly drained) soils, including the Ste. Amable, St. Bernard, Rideau and Ste. Rosalie series.

The Morgan Arboretum established in 1947, has 700 acres of woodland devoted to the study of woodlot management and the place of the woodlot in the Eastern Canadian farm economy. About 100 acres have been planted in reforestation projects. In addition, the Arboretum, in spite of its short history, has Canada's best collection of examples of all Canadian and many foreign species of trees and shrubs of interest from the point of view of pulpwood, timber and landscaping.

THE MACDONALD COLLEGE LIBRARY

The library and reading room are centrally located in the Main Building, occupying the ground floor of an annex leading off the main hall. Seventy-six readers can be accommodated in the reading room, and in a series of alcoves there are reference works and textbooks on the work of the various departments.

The present stack-room has accommodation for about 25,000 volumes, which comprise the best collection of books on the various subjects included in the curriculum of the College.

The Walter M. Stewart Collection includes biography, history, travel science, etc. This collection has been purchased through the generosity of Walter M. Stewart, of Montreal.

MACDONALD COLLEGE EXTENSION SERVICES

Departmental Services: — The services of the various departments of Macdonald College are always available for the advancement of the agricultural and home interests of the Province of Quebec. Personal interviews at the College and correspondence are invited.

Extension Service: — The College functions through the Extension Service in providing a programme primarily for rural residents. The service consists of:

Information Centre—This library of programme materials, books, pamphlets, films, study outlines, etc., welcomes requests for help and advice from all kinds of community organizations, as well as from individuals.

Handicraft Department offers instruction to regular day students and also conducts evening classes in weaving, leatherwork, and woodwork.

Instructors in the department are available for short courses away from the College as time permits.

McLennan Travelling Libraries, McGill University, offer a library service to schools and community organizations. Boxes of fifty books are loaned for four months at a moderate charge. A bookmobile serves communities south of the St. Lawrence River on a monthly schedule.

Macdonald Farm Journal, a monthly publication for English-speaking farmers dealing with matters of agricultural interest in popular articles, written by members of Macdonald College staff and other contributors.

Evening Courses in a wide variety of subjects including home gardening and landscaping, public speaking, dressmaking, music, etc., are offered to adult citizens within travelling distance of Macdonald College during the fall and winter term.

The College also co-operates with the Quebec Council of Community Programmes in supervising and assisting adult night schools in a number of English-speaking centres of the province. Courses are offered in a wide variety of subjects ranging from agriculture, cooking, sewing, and handicrafts to public speaking, dramatics, and French conversation.

For further information about these activities, write to the Extension Service, Macdonald College, P.Q.

Visits to the College from individuals or groups with a common interest in the farm, the home, or the school, are always welcomed. However, in view of the present large registration and the somewhat limited facilities, it is often regrettably necessary to curtail visits at times when the student population is largest.

Groups of fifteen or more requiring meals and/or rooms are asked to give two weeks' advance notice and to confirm the numbers in the group not later than three days before arrival. All requests for visiting privileges should be addressed to The Secretary, Macdonald College, P.Q., who will be pleased to quote rates for meals and rooms, if required.

HANDICRAFTS

Macdonald College offers an eight-months course in general handicrafts, which gives theoretical and practical training in a variety of arts and crafts

Weaving and leather-working are the main divisions of the course. In the weaving portion, once the fundamentals of using the various types of loom have been mastered, the students are given the opportunity of designing special patterns, which they then weave into cloth for making

such articles as tablecloths, luncheon sets, skirt material, etc. Belts, lampshades, and tartan scarves are but a few of the other items which are woven during the course.

In leather-working, all designs are again original, from the simplest change purse to elaborately carved book covers or desk sets. Although most attention is paid to these two crafts, instruction is also given in creative crafts, metal-working, wood-working, whittling, and lino-block printing.

On completion of the course the student is equipped to teach handicrafts in hospitals, recreation centres, summer camps, etc., and it is also a splendid course for art teachers in public schools. Many graduates are now employed in this type of work; others are operating their own studios or workshops in all parts of Canada.

Junior Matriculation or its equivalent is required for admission. For full information and an application form write to the Handicrafts Department, Macdonald College, Que.

ADMISSION

The general requirements for admission are on page 4533. Details of the admission requirements for the various courses are on pages 4534, 4602.

CLASSES OF STUDENTS

1. *Regular Undergraduates* are students with complete matriculation qualifications and who are taking the regular work of their year toward the appropriate degree or diploma.

2. *Limited Undergraduates* are students with normal entrance qualifications but who, due to ill health or other circumstances, do not fit into the regular classification of years (first, second, etc.) and who may be unable to complete their work in the normal length of time.

3. *Partial Students* are those not proceeding to a degree or diploma, including those doing a qualifying year for graduate work, or those earning credits for transfer to another faculty or institution.

REGISTRATION

Students are required to register before 4 p.m. on the date designated for the course and year for which they have been accepted, and before entering residence to obtain a residence card from the Secretary's Office. Registration at a later date is permitted only to those who obtain the consent of the Dean or Director of the Faculty or School concerned.

All students entering the First year of the B.Sc.(Agr.) and of the B.Sc. (H.Ec.) course for the first time are required to register one week in

advance of upper classmen. This period is devoted to a programme or orientation, in which efforts are made to impress on these students the significance and consequences of their new way of life, to familiarize them with their physical and cultural surroundings, and to acquaint them with the scope of the various fields of learning at the College. Attendance at all sessions of Freshman Orientation Week is compulsory.

Upon registering students are required to sign the following declaration:—"I hereby accept and submit myself to the rules and regulations of Macdonald College, and of the Faculty or School thereof in which I am registered, and to any amendments thereto which may be made while I am a student of the College, and I promise to observe the same."

Students are not permitted to enter any class until they have registered.

RESIDENCE

Men students in residence live in Brittain Hall, named in honour of Dr. W. H. Brittain, Vice-principal of Macdonald College from 1935 to 1955. The residences for women are Stewart Hall named in honour of Mr. and Mrs. Walter M. Stewart, long-time friends and benefactors of the College, and Laird Hall, named in honour of the late Dr. Sinclair Laird, former Director of the School for Teachers.

Macdonald College does not have residence accommodation for all the students who enroll, and acceptance of the application for admission to a course of study does not imply that residence accommodation will be available.

Any student wishing to live in one of the College residences must apply for residence accommodation well in advance of the opening of the session. Forms of application for residence accommodation are sent with letters of acceptance.

A deposit of $25.00 must accompany the application for accommodation. If the application is accepted the deposit will be deducted from the payment due on entrance. The College guarantees to refund the deposit if the application is refused, or is cancelled by the applicant at least three weeks prior to the date of registration for the course concerned.

All students who have been in residence during the session must apply for re-admission for the following year, and make a deposit of $25.00, before leaving at the end of the session, should they wish to have space reserved for them. This deposit will be refunded if the application is not accepted, or is cancelled by the applicant three weeks prior to the date of registration for the course in which he or she is enrolled. If the application is accepted, the deposit will be deducted from the payment due on entrance.

A number of rooms are available in private homes in Ste. Anne de Bellevue; a list of these may be obtained from the Registrar's Office. Most are located within a few minutes' walk of the College. Students rooming out may have all their meals in the College dining room and participate fully in all regular College activities.

All students, whether living in residence or not, are registered in one or other of the Halls of Residence, as well as in their respective Faculties or Schools.

Due to the necessity of accommodating conventions and short courses during the summer months, resulting in a limited time available for repairs and cleaning, no student will be admitted to residence before the date set for registration in the course for which he or she has been accepted. Exceptions to this rule will be made in the case of certain student officers whose duties require their presence before the opening date, members of the football team who have been accepted for pre-season training, students preparing for supplemental examinations and other students under exceptional circumstances by permission of the Warden.

Only students who are employed by the College may remain in residence during the summer months, and this with permission of the Warden. For the Christmas holiday period see page 4528.

Students who have reserved accommodation and who are returning early to write, or prepare for, supplemental examinations, may enter residence, by special permission, not earlier than one week before the date of their first examination. Application for early accommodation must be sent with the application for supplemental examination, before September 1st. The charge for room and board for this period will be $16.00 for a week or any part of a week.

No other student may enter residence before the date of registration. Students from a distance must not expect to be admitted early unless exceptional circumstances warrant it, and permission has been requested, and granted by the Registrar, before the student leaves home. This privilege is granted only to new students coming from a distance who are not familiar with the Montreal area. It will not be extended to returning students in the upper classes.

Students may not invite relatives or friends to stay overnight in the residence without permission from the Warden of Residence.

For the admission of visitors to the Dining Room tickets must be purchased at the Dietitian's Office, Stewart Hall, at the Administration Office in the Main Building, or from the doorman on duty.

Students are held responsible for the care of their rooms and of their furnishings.

Students are recommended to mark clearly, before coming to the College, all articles of wearing apparel, sheets, pillow cases, etc.

Detailed regulations are printed separately and issued to students after arrival.

ROOM FURNISHINGS

Bedrooms are furnished with closets, beds, mattresses, blankets, pillows, and the necessary furniture.

Each student is expected to provide his or her own laundry bag, toilet soap, drinking glass, four sheets, about 90 inches long, 60 inches wide; two pillow covers, 34 inches long, 20 inches wide; hand towels and bath towels; flashlight.

Students may bring rugs, pictures, etc., but are not allowed to drive tacks or nails into walls or woodwork, nor to paste pictures on the walls.

Women students are required to provide sash curtains and curtain rods for the windows in their rooms. Each window is provided with curtain cranes, and students may bring and hang drapes if they wish.

CONDUCT AND ATTENDANCE

The general responsibility for the maintenance of discipline in each residence is vested in a Warden, but, through a system of self-government, students are encouraged to accept the greatest possible amount of responsibility in connection with their own affairs. Enforcement of necessary regulations, exaction of disciplinary measures, and regulation of conduct *in and out of residence*, is largely in the hands of a House Committee for each residence, elected by the students from among their own number.

Matters of discipline connected with or arising from the general arrangement for teaching within a Faculty or School are under the jurisdiction of the Dean of the Faculty or Director of the School concerned.

Students may be admonished by a professor or instructor for improper conduct and may be reported to the Dean or Director concerned. If considered advisable, such conduct shall be reported to parents or guardians.

Students found guilty of immoral, dishonest, or other improper conduct, the violation of rules, or wilfully causing damage to persons or property, shall be liable to College discipline, which includes the power of expulsion (subject to the approval of the Senate of McGill University),

of suspension from classes or residence, (also in the case of women students, confinement to residence), of exclusion from all College functions, including class or society meetings, plays, dances, etc., of disqualification from competing for honours or prizes, and of levying fines. Fines may also be imposed or assessments made for damages made by individuals or groups of students.

Bringing liquor into the College is considered a serious breach of discipline, and students who indulge in the use of liquor, or who frequent places where it is sold, may be required to withdraw from the College.

Students are not permitted to bring firearms into their rooms, nor is the use of firearms allowed on the College grounds.

Undergraduate students while registered at the College are forbidden to go on the river—winter or summer. "Hitchhiking" is forbidden for both students in residence and for students who are commuting.

Gambling is not permitted on College property.

Unauthorized entrance to Stewart Hall or subsidiary residences by men students, or to Brittain Hall by women students, will result in immediate suspension of the guilty persons, followed by expulsion proceedings.

Students are requested not to make application for additional leave either before or after holiday periods, as such leaves can only be granted in case of illness or other exceptional circumstances.

For absence from classes on the last day before or the first day following a holiday period, there will be a penalty of $3.00 for each day or part of a day.

During illness students are under the direction of the Medical Officer and may not leave the residence or infirmary without his permission.

Punctual attendance at all classes, laboratory periods, tests, etc., is expected of all students. Absences can only be excused on the ground of necessity or illness, of which proof may be required. Special attention is called to the fact that the completion of all laboratory work is obligatory and the opportunity to make up work missed can only be provided in the case of properly excused absences.

The Faculty has the power to refuse examinations to those students who persist in absenting themselves from classes without permission.

Any student who is unwilling to submit cheerfully to the restrictions of college life, whose conduct does not furnish satisfactory evidence of diligence and earnestness of purpose, or whose work is definitely unsatisfactory, may be placed on probation, or may be required to withdraw from the college.

Degrees of probation are as follows:

Probation 1 The student is permitted to remain on trial, subject to satisfactory work and conduct.

Probation 2 The student is barred from participation in inter-class athletic competitions; from playing on College athletic teams; from participation in dramatics, etc.

A student repeating a year is automatically placed on No. 1 probation.

STUDENT COUNSELLING

In order to encourage a closer relationship between students and staff members than can be achieved through normal classroom contacts, a system of student counselling is in operation at the College.

At the beginning of the session each student in the First and Second years of the B.Sc.(Agr.) course is assigned, for counselling, to a staff member who is not one of his or her regular instructors. The counsellor is available for help and advice at all times throughout the session, and acts as a friend to whom the student can turn with problems, and who can act on his or her behalf when necessary. Furthermore, the counsellor, dealing as he does with a small group, acquires a better understanding of the problems of the students, and becomes sufficiently well acquainted with each student who comes to him for counselling to provide references for employment and other purposes. Department Chairmen normally act as counsellors for Third and Fourth year students.

With some modification in details, a similar system is in operation for B.Sc.(H.Ec.) students.

LEAVE OF ABSENCE

WOMEN STUDENTS

In order to avail themselves of leave privileges, women students in residence must present at the beginning of the session a form signed by parent or guardian giving general permission or specifying the manner in which leave may be spent. Forms for this purpose, and details of leave allowances, are sent to all students.

The amount of leave permitted is based on the student's year. A student is entitled to the leaves accorded those in her year only while in good academic standing. Conditioned students in the Second, Third or Fourth year have the allowances granted to the year below.

Except in cases of emergency, telephone messages or telegrams requesting leave of absence for women students will receive no consideration.

Students wishing to stay at hotels, lodges, etc., while on leave, or to go on skiing trips, are required to have the written consent of their parents to do so.

On no account shall a student be absent from college without having complied with the regulations regarding registration of leaves, or without the knowledge and consent of the Warden. Absence from College without permission is a serious offence which renders the student liable to instant suspension or dismissal. If prevented from returning after an absence, due to illness or other cause, students must advise the Warden immediately, and these students must report to the Warden's office immediately upon their return.

Students are urged to have dental work attended to before entrance, though dental appointments will be allowed in cases of urgency. Appointments to visit a physician are allowed on production of a letter from the physician indicating the date and hour of the appointment.

All correspondence regarding the conduct of women students in residence should be addressed to The Director of Women's Residences, Macdonald College, P.Q.

MEN STUDENTS

First Year Diploma and Degree students must obtain permission from the Warden should they wish to have overnight leave of absence. All students who expect to be absent from the College should leave some record of their movements.

VISITORS

Women students in residence may receive visitors any day between the hours of 4.00 and 6.00 p.m. and from 7.00 until 9.00 p.m., and at any time up to 11.45 p.m. on Saturdays. Visitors may be shown over the Residence only on Saturdays, except in the case of parents or friends from a distance. Guests may be entertained in the Reception Rooms and the Common Room; only parents and women friends may be shown students' bedrooms.

Women visitors to Brittain Hall may be entertained in the Reception Rooms only.

MUSIC

Music finds a place in the recreative and social activities of the College. Concerts, organ recitals, lectures, etc., will be given from time to time. It is suggested that those having musical instruments should bring them.

FEES

The College reserves the right to make changes without notice in its published scale of tuition, board and room, and other fees. Fees are not refundable except under special conditions as described below.

I. TUITION FEES. These fees include all the regular charges for registration, tuition, laboratories, libraries, health service, student activities, etc.

REGULAR UNDERGRADUATES

B.Sc.(Agr.) Course	$300.00
B.Sc.(H.Ec.) Course	300.00
Diploma and Advanced Diploma Courses in Agriculture	
(a) Children of farmers of the Province of Quebec, the Ottawa Valley in Ontario, and the Maritime Provinces	35.00
(b) All others	250.00
Handicrafts Course	375.00

LIMITED UNDERGRADUATES

Per unit of instruction (1 lecture or 1 laboratory period per week per term)	25.00
(Minimum per session $100.00; maximum per session, B.Sc. (Agr.), B.Sc.(H.Ec.) $300.00; Diploma Course in Agriculture $250.00)	

PARTIAL STUDENTS

Per unit of instruction	25.00
(Minimum per session $100.00)	

II. SPECIAL FEES AND PENALTIES

Late registration (unless excused by the Dean)	5.00
Late registration after first week	10.00
Late payment (after specified date)	2.00
Conferring degree *in absentia*	10.00
Duplicate diploma	10.00
Transcript of record	1.00
Supplemental examination, per paper	2.00

III. STUDENT ACTIVITY FEE

There are various student activities at the College, such as the athletic associations, literary and debating society, publications, class societies, etc. which the students are expected to support. The affairs of these organizations are in the hands of the students themselves and their

operations are financed from a student activity fee of $16.00 which is included in the tuition fee listed above. The student activity fee is distributed as follows: Students' Council general funds $1.50; students' recreation centre $1.00; accident insurance $2.50; student organizations $11.00.

IV. BOARD AND RESIDENCE (per session, exclusive of the Christmas holidays)

B.Sc.(Agr.) Course	$465.00
B.Sc.(H.Ec.) Course	465.00
Diploma Course in Agriculture	320.00
Handicrafts Course	515.00

Students are not encouraged to remain in residence during the Christmas holidays. If, however, due to exceptional circumstances, special permission to remain in residence has been obtained from the Warden, the cost for room and board for this period will be $16.00 for a week or any part of a week.

SINGLE ROOMS

There is an extra charge for occupancy of the few single rooms in each residence. The sessional rates for single rooms may be obtained on application to the Secretary.

REGULATIONS CONCERNING PAYMENT, AND REMISSION, OF FEES

1. Fees for tuition and for board and residence are due and payable at the Accounting Office at the time of registration. A late fee of $2.00 is charged for payment after the specified dates, and no additional days of grace are allowed.

2. The College does not issue bills for fees.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such case an instalment fee of $5.00 is charged. First instalment—one half of the total fees plus $2.50 instalment fee, less deposits already paid. Second instalment—balance of total fees plus $2.50 instalment fee.

More extended terms of payment may be arranged, where necessary, with the permission of the Secretary. In special cases of hardship, application may be made for financial assistance. See section on Bursaries and Loan Funds, page 4617.

4. A list of the registered students whose accounts with the Secretary are in arrears will be sent to the Dean or Director of the Faculty or School concerned, on receipt of which the Dean or Director shall suspend these students from attendance; they will not be readmitted to classes until the account is settled, or a satisfactory arrangement is made with the Secretary.

5. A student who withdraws from the College during the course of the academic year must cancel his registration at the Registrar's Office, and, if in residence, return his meal ticket and residence card to the Secretary's Office.

6. In the case of students who, in spite of the fact that they leave the College before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of tuition fees.

7. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, tuition fees shall be remitted on the basis that half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.

8. No tuition fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.

9. Residence fees are payable for the full academic year and will not be refunded, except in special circumstances.

10. The Dining Room portion of the residence fees is refundable in special circumstances to students who leave the College permanently during the session.

Avoidable breakage or damage to College property or equipment by a student, is charged to him on receipt of a report from the Chairman of the department concerned.

The Administration Office is open to receive payments from 9 a.m. to 4.30 p.m. daily—except Saturday, on which day the hours are from 9 a.m. to 12 noon.

All cheques, money orders, etc., should be drawn to the order of "The Secretary, Macdonald College," and should be made payable at par.

LAUNDRY SERVICE

Weekly laundry service at moderate prices is provided by a Montreal laundry to which students may send their personal washing, sheets, pillow covers, and towels. Printed lists will be furnished, two copies of which, properly filled out, must accompany each parcel. Fully equipped laundry rooms are also provided in each residence for students' use.

HEALTH SERVICE

The College Health Service provides medical examinations for all men and women students at the beginning of each session. The examination for students entering for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures. Students who fail to comply with this requirement by November 1st in any

academic year will be subject to a fine of five dollars, and students who fail to comply with it by November 15th will be suspended from membership of the University.

Medical and nursing attendance, major operations and illness excepted, will be provided to all students while in attendance at the College. During illness students are under the direction of the Medical Officer and may not leave the residence or infirmary without his permission.

The Health Service provides treatment for minor illnesses or accidents. Students requiring medical attention should report to the infirmary in the first place. It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. When necessary the patient will be referred to the physician or surgeon of his choice or to the public service of designated hospitals. The cost of such services is then the student's responsibility, subject, however, to the stipulations contained in the following paragraph.

If a student's admission to a city hospital is ordered by the College Medical Officer, one half of all public ward charges is paid by the College, provided that the total obligation assumed by the College does not exceed $125.00 in any one session for any one student. Should a student desire private accommodation, the difference in cost must be borne by him. The student should pay the hospital and when discharged should present the receipt and hospital statement to the Secretary's office.

This contribution towards hospital expenses is made only when the illness or other condition requiring hospital treatment was not present or was unknown or undetected at the time of admission.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

During the session, all students are covered by a group accident insurance policy, the premium for which is included in the student activity fee. A folder explaining the schedule of hospital and other benefits to which he is entitled is given to each student at registration. On return to the College from being in hospital as result of an accident students should report to the Secretary's Office at once to complete the necessary claim form. The benefits of this group accident insurance policy are payable in addition to any other benefits to which the student may be entitled.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox.

BOOKS

The prescribed textbooks, and classroom and laboratory supplies, may be purchased at the College Book Shop.

HOUSEHOLD SCIENCE TRIPS

Students in Household Science are taken to visit various institutions in connection with their work, from time to time during their course, more especially in the senior years. Each student is responsible for her own expenses, which are kept to the minimum amount.

SUPPLIES

Material and supplies required for classes in Textiles and Clothing are provided by the students concerned and purchased at the direction of the instructor.

OUTFIT REQUIREMENTS FOR WOMEN STUDENTS

SCHOOL OF HOUSEHOLD SCIENCE:—No uniforms are required in the First year of the B.Sc.(H.Ec.) course. Students in the Second, Third, or Fourth year of the B.Sc.(H.Ec.) course will be advised of the uniform requirements on acceptance or promotion.

GYMNASTIC COSTUME

Women students taking work in the gymnasium are required to wear the regulation gymnastic costume consisting of a tunic, teddy blouse, briefs, and short, white woollen socks and running shoes. The tunic, blouse, and briefs must be bought at the College; the current prices are $5.00, $2.25 and $1.00, respectively.

Students wishing to swim must provide themselves with bathing suits.

Faculty of Agriculture and School of Household Science

The following courses of study are offered by the Faculty of Agriculture and the School of Household Science:

I. Courses in Agriculture:

Bachelor of Science in Agriculture [*B.Sc.(Agr.)*]

A four-year course from junior matriculation leading to professional qualification in agricultural science, or in one of its specialized branches (page 4534).

The Diploma Course in Agriculture

A two-year practical course in farming, with the emphasis on training farmers' sons so that they may develop into "master farmers" (page 4590).

The Advanced Diploma Course

A one-year course provided for those students completing the Diploma course who wish further technical training in the scientific basis of agriculture (page 4599).

Postgraduate courses in Agricultural Science

These lead to the degrees of Master of Science and Doctor of Philosophy, with study and research in one or more of the Departments of the Faculty. The course of studies and examinations are controlled by the Faculty of Graduate Studies and Research (page 4589).

II. Courses in Household Science:

Bachelor of Science in Home Economics [*B.Sc.(H.Ec.)*]

A four-year course from junior matriculation leading to the professional qualifications necessary for dietetics or home economics education (page 4601).

III. Agricultural Specialist Teaching Certificate:

A one-year course offered in collaboration with the Institute of Education, for those holding the B.Sc.(Agr.) and intending to qualify themselves for the teaching profession (page 4588).

GENERAL ENTRANCE REQUIREMENTS

All candidates for admission:

1. Must have passed their seventeenth birthday except under special circumstances, and then only with express permission.

2. Must furnish medical certificate of physical health on forms supplied by the College. All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox.

B.Sc. (Agr.) Course

This is a four-year course leading to the degree of Bachelor of Science in Agriculture; the degree when abbreviated is designated B.Sc.(Agr.).

The curriculum is organized with equal standards and similar plans to those of the other faculties of the University. During the first two years the work undertaken is common to all students and is limited to subjects which are basic in the study of all branches of agriculture. In the Third and Fourth years the student may specialize in a single branch of agriculture, or, in special cases, he may choose a combination of related subjects. In either case the outline of work must offer a comprehensive training in the major work and cognate subjects.

ENTRANCE REQUIREMENTS

1. It is the desire of the Faculty to admit to the B.Sc.(Agr.) course only those candidates who intend to pursue a career in agriculture and who possess qualities of character and intellect which indicate their adaptability to an academic environment.

2. General Entrance requirements have been set out on page 4533.

3. *Academic requirements:* Admission is at the discretion of a faculty committee. The committee accepts as a general standard the McGill School Certificate. The minimum requirement for consideration under this Certificate is that the candidate must have passed (obtained 50 per cent or more) in each of the subjects specified below, with a minimum of 10 papers. An average standing of not less than 60% in the 10 papers is required.

Papers	Required Subjects
1	English Literature
1	English Composition
1	History
1	Elementary Algebra
1	Elementary Geometry
	plus the following
1	One of Physics, Chemistry, or Biology
2	Two papers (i.e. Oral and Written) or Grammar and Composition in one of French, Latin, German, Spanish

2 Two additional papers chosen from

(a) the foreign language not already chosen

(b) the sciences not already chosen, i.e., Physics, Chemistry, Biology.

(c) Intermediate Algebra, Trigonometry, Art, Geography, Agriculture, North American Literature.

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The following certificates are accepted in lieu of the McGill Junior School Certificate provided:

1. The certificate has been obtained under no easier conditions than those applying to the McGill Junior School Certificate; and

2. The subjects presented and the average standing obtained on such certificates conform generally to those listed above for the McGill Junior School Certificate:

Quebec: The High School Leaving Certificate
The Catholic High School Leaving Certificate

Ontario: Grade XII Certificate (including a statement of marks received in both Grades XI and XII.)

British Columbia and New Brunswick: Junior Matriculation

Alberta, Manitoba, Newfoundland, Nova Scotia and Saskatchewan: Grade XI Certificate.

Prince Edward Island: Second Year Certificate of Prince of Wales College.

United States: Certificates issued by the College Entrance Examination Board.

United Kingdom: For the General Certificate of Education, a minimum of passes in five acceptable subjects at the Ordinary level, including English and Mathematics; for the School Certificate, credit or higher standing in at least five acceptable subjects including English, Mathematics, a foreign language.

Students intending to enter by certificate should in no circumstances come to the College without having obtained from the Registrar a statement of the value of the certificates they hold.

Students with incomplete requirements may obtain standing in subjects included in the McGill School Certificate by writing McGill examinations.

A candidate may be admitted to the Second year if (1) he has completed all requirements for entrance to the First year and (2) has written and passed with acceptable standing the required papers of the McGill Senior School Certificate Examination. These are:

English Literature
English Composition
Algebra
Trigonometry
Physics
Chemistry
Approved Elective*

*Students without equivalent standing for Botany are required to take Botany 110 as an extra course in the second year.

The following certificates are accepted in lieu of the McGill Senior School Certificate:

Quebec: Senior Quebec High School Leaving Certificate
Senior Catholic High School Leaving Certificate

Ontario: Grade XIII Certificate

Alberta, Manitoba, Nova Scotia and Saskatchewan: Grade XII Certificate

Prince Edward Island: Third Year Certificate of Prince of Wales College

British Columbia: Senior Matriculation Certificate

United Kingdom: For the General Certificate, passes in five subjects at Ordinary Level, plus Physics and Chemistry at Advanced Level.

NON-CANADIAN STUDENTS

Applications for admission from students whose homes are outside Canada must be received before March 1st of any year if they are to be considered for acceptance for that calendar year. The applicant will be notified whether or not his application is accepted as soon after that date as possible.

ASSOCIATED COLLEGES

By special agreement, Prince of Wales College, Charlottetown, P.E.I. and the Nova Scotia Agricultural College, Truro, N.S., have arranged to provide their students with a course of study substantially equivalent to the first two years in Agriculture at Macdonald College. Students who have completed such a course of study with satisfactory standing in courses equivalent to those of the first two years of the B.Sc. (Agr.) curriculum, will be admitted to the third year at Macdonald College, provided that their overall averages, and their grades in individual courses are considered satisfactory by the Committee on Admissions.

By special arrangement with the Ontario Veterinary College, students who have successfully completed the first two years of the B.Sc.(Agr.) course at Macdonald College will be admitted to the second year at the Ontario Veterinary College, Guelph, Ont. These students are required to attend a special pre-session short course at the Ontario Veterinary College, to receive training in those subjects in which further work is necessary to fit them for the work of the second year. This course starts about the middle of August each year.

PERMISSION TO STUDY

Candidates for admission to the Degree Course in Agriculture who intend to practise as professional agriculturists in the Province of Quebec must obtain approval of their application from La Corporation des Agronomes before beginning the course. Forms of application for Permission to Study and full particulars may be obtained from La Corporation des Agronomes de la Province de Quebec, Room 410, 10 St. James St. W., Montreal, or from the Registrar, Macdonald College.

Failure to comply with the regulations of the Corporation may cause a delay of a year or more before the candidate can be legally authorized to practise his profession in the Province of Quebec. Application for permission to study must be made before August 1st, 1959.

COURSE REQUIREMENTS

The requirements for graduation are:—

(a) Pass standing in all courses of the First and Second years, as outlined below.

(b) Pass standing in the Third and Fourth year courses equivalent to a minimum of 11 courses. In addition all students upon entering their Third year are required to take and complete successfully Agriculture 300a.

(c) Satisfactory distribution and concentration of courses:—See *Courses of Study* below.

(d) *Practical experience.* Satisfactory fulfilment of regulations concerning practical and professional experience, as below.

At least one season of farm experience is essential for admission to certain options in agriculture. Students who have not secured such experience by the beginning of the Third year may find themselves ineligible for admission to these options. In the case of students from outside Canada, this experience is best obtained in the country from which the student comes.

Students majoring in Agronomy are required to spend one summer in the Agronomy Department at the College, or at some other approved college or experimental farm. This may be between the Second and Third, or the Third and Fourth years. Students having extensive farm experience as a background are likely to find a wider range of opportunities for employment in the agronomic field.

Students majoring in Agricultural Engineering are required to have at least one season of farm experience and to work for a summer in some phase of agricultural engineering work approved by the Agricultural Engineering Department.

Students entering the Animal Husbandry option are required to present satisfactory evidence of having worked for a total of at least twelve months on a livestock farm.

Students entering the General Agriculture option are required to have spent at least twelve consecutive months on an approved farm.

Students majoring in Horticulture are required to spend one summer in the Horticulture Department at the College, or at some approved vegetable farm, fruit farm, or nursery.

Students majoring in Entomology, General Biology or Plant Pathology are required to spend one summer in field or laboratory work, either at the College under the direction of the department concerned, or in one of the Government laboratories, or in some other place approved by the department concerned.

Students majoring in Poultry Husbandry are required to work for a summer on a poultry farm approved by the Poultry Husbandry Department.

No summer work or practical experience requirements need be met in the case of students majoring in Agricultural Bacteriology, Agricultural Chemistry or Agricultural Economics.

SYLLABUS

B.Sc.(Agr.) Course

SUBJECTS	Course Numbers	Unit Value	Periods per week		Term Given
			Lects.	Labs.	
FIRST YEAR					
Agriculture:					
General Agriculture	110	6	2	1	Both
Botany:					
Introductory Botany	110	8	2	2	Both
Chemistry:					
Inorganic Chemistry	110	10	3	2	Both
English:					
Composition	114	4	1	1	Both
Literature	116	4	2	..	Both
Mathematics:					
Plane Trigonometry	111	3	2	..	First
	...	..	1	..	Second
Algebra	112	3	1	..	First
	..	..	2	..	Second
Physics:					
General Physics	112	8	3	1	Both
SECOND YEAR					
Agriculture:					
General Agriculture	220	6	2	1	Both
Chemistry:					
Organic Chemistry	220	10	3	2	Both
Economics:					
Elementary Principles	220b	3	3	..	Second
*English:					
Modern Literature	225	4	2	..	Both
or					
Speaking and Writing	226	4	2	..	First
	...	..	1	1	Second
Mathematics:					
Calculus	220	6	3	..	Both
Physics:					
General Physics	222	8	3	1	Both
Zoology:					
General Zoology	220	8	2	2	Both

*Second year students must take either English 225 or English 226.

See also elective courses in French and History, page 4576-7.

SYLLABUS

B.Sc.(Agr.) Course

Third and Fourth Years

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Agriculture	300a	1	..	..	First	
Agricultural Engineering:						
Descriptive Geometry	330	4	1	1	Both	
Farm Machinery	333a	4	2	2	First	
Farm Power Machinery	334b	4	2	2	Second	
Applied Mechanics	337	4	2	..	Both	
Shopwork	338	6	1	2	Both	
Farm Buildings	431b	4	2	2	Second	
Spraying and Dusting Equipment	432b	2	..	2	Second	
Agricultural Drafting	435	6	..	3	Both	
Projects	436b	3	..	3	Second	
Mechanics	437	2	1	..	Both	
Engineering for Land Development	439	6	2	2	First	
		..	2	..	Second	
Farm Electrification	440	6	2	1	Both	
Agronomy:						
Cereal Crops	331b	3	2	1	Second	
Field Crop Production	343	6	2	1	Both	
Introduction to Agronomic Crops.	345	3	..	2	First	
		..	..	1	Second	
Hay and Pasture Crops	432a	3	2	1	First	
Plant Breeding	435b	3	2	1	Second	
Crop Adaptation and Distribution	436b	3	2	1	Second	
Soil Management	438b	2	2	..	Second	
Projects	442	2	..	1	Both	
Statistical Methods	444a	2	..	2	First	
Miscellaneous Agronomic Crops	446a	2	2	..	First	
Animal Husbandry:						
Swine Production	330a	3	2	1	First	
Dairy Cattle Production	334b	3	2	1	Second	
Judging and Management	335b	3	..	3	Second	
Reproduction Physiology	438a	3	2	1	First	
Animal Breeding	439b	3	2	1	Second	
Horses, Sheep, Beef Cattle	441b	3	2	1	Second	
Projects	442a	3	..	3	First	
Judging and Management	443a	3	..	3	First	
Animal Pathology:						
Elementary Physiology	330b	3	3	..	Second	
Disease Prevention	431a	3	3	..	First	
Poultry Diseases	432b	2	..	2	Second	
Disease Prevention	434b	3	2	1	Second	
Bacteriology:						
General Microbiology	330b	4	2	2	Second	
Laboratory Methods	333b	4	1	3	Second	
Soil Microbiology	432a	4	2	2	First	
Food Microbiology	434b	4	2	2	Second	
Dairy Bacteriology	435a	4	2	2	First	
Projects	436	6	..	3	First	
		..	..	3	Second	
Seminar	437	2	1	..	Both	
Physiology of Micro-organisms	438a	4	2	2	First	
Botany:						
Plant Physiology	330b	4	2	2	Second	
Histology—Cytology	331b	3	1	2	Second	
Methods	334a	3	1	2	First	
Plant Morphology	432a	3	1	2	First	
Systematic Botany	433	3	..	2	First	
		..	..	1	Second	

SYLLABUS

B.Sc.(Agr.) Course

Third and Fourth Years (*continued*)

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Chemistry:						
Organic Preparations	331a	3	1	2	First	
Biochemistry	332a	4	2	2	First	
Quantitative Analysis	333a	6	2	4	First	
Qualitative Analysis	334b	6	2	4	Second	
Quantitative Analysis	335a	5	2	3	First	
Qualitative Analysis	336b	5	2	3	Second	
Physiological Chemistry	347b	4	2	2	Second	
Introductory Soil Science	354	8	2	2	Both	
Physical Chemistry	439	6	1	2	Both	
Projects	440	6	..	3	Both	
Seminar	441	2	1	..	Both	
Plant Biochemistry	448b	4	2	2	Second	
Food Chemistry	451a	4	2	2	First	
Advanced Food Analysis	452b	4	2	2	Second	
Dairying	430a	4	2	2	First	
Economics:						
Marketing of Farm Products	330b	3	3	..	Second	
Economics of Marketing	331b	3	3	..	Second	
Farm Accounting and Farm Management	332a	3	3	..	First	
Economic Analysis	333	6	3	..	Both	
Project	434c	3	..	3	Either	
Money and Banking	321	6	3	..	Both*	
Economic Statistics	361	6	3	..	Both*	
Economic Analysis	412 a,b	6	3	..	Both*	
English:						
Literature of Rural Life	331	3	1	..	First	}
		..	2	..	Second	}
Modern Drama	332	3	2	..	First	}
		..	1	..	Second	}
Extension Methods	330	4	1	1	Both	
Entomology:						
Insect Morphology	330	8	2	2	Both	
Insect Physiology	333	6	1	2	Both	
Systematic Entomology	335b	4	..	4	Second	
Economic Entomology	433	8	2	2	Both	
General Entomology	434b	4	2	2	Second	
Principles of Taxonomy	435b	4	4	..	Second	
Terrestrial Ecology	436	6	1	1	First	}
		..	2	2	Second	}
Seminar	437	2	..	1	Both	
Projects	438	4	..	2	Both	
French	100	6	3	..	Both	
	300	6	3	..	Both	
Genetics:						
Elementary Genetics	330a	5	3	2	First	
History	100	6	3	..	Both	
Horticulture:						
Pomology (Orchard Fruits)	338a	4	2	2	First	
Pomology (Small Fruits)	339b	4	2	2	Second	
Horticultural Crops	343a	3	2	1	First	

* Faculty of Arts and Science.

SYLLABUS

B.Sc.(Agr.) Course

Third and Fourth Years (*continued*)

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Horticulture:—*Continued*						
Horticultural Crops	344b	3	2	1	Second	
Vegetable Crops	431	8	2	2	Both	1960-61
Landscape Architecture	432a	4	2	2	First	
Floriculture	435b	4	3	1	Second	
Plant Breeding	436b	3	2	1	Second	
Seminar	437	2	..	1	Both	
Fruit and Vegetable Preservation	442a	3	2	1	First	
Mathematics:						
Elementary Differential Equations	330	2	1	..	Both	
Elementary Statistics	331	3	1	1	First	
		..	..	1	Second	
Nutrition:						
Fundamentals of Nutrition	430	6	2	1	Both	
Applied Animal Nutrition	432b	2	2	..	Second	
Project	433c	3	..	3	Either	
Physics:						
Biophysics	333a	4	2	2	First	
Biophysics	340a	2	1	1	First	
Meteorology	432b	1	1	..	Second	
Soil Physics	436a	2	1	1	First	
Molecular and Atomic Physics	438	4	2	..	Both	
Plant Pathology						
Technique	330b	3	1	2	Second	
Diseases of Plants	331a	4	2	2	First	
Mycology	333a	4	2	2	First	
Plant Pathology	332b	4	2	2	Second	1960-61
Advanced Plant Pathology	436	8	2	2	Both	
Projects	434	4	..	2	Both	
Seminar	435	2	..	1	Both	
Poultry Husbandry:						
General Poultry Husbandry	333a	4	3	1	First	
Poultry Products Technology	339b	2	1	1	Second	
History of Breeds and Judging	431a	2	..	2	First	
Breeding Principles	434b	3	2	1	Second	
Poultry Farm Management	435	4	1	1	Both	
Research	436	4	..	2	Both	
Projects (3rd year)	437	2	..	2	Second	
Projects (4th year)	437	6	..	3	Both	
Poultry Nutrition	438b	3	2	1	Second	1960-61
Sociology:						
Introduction to Sociology	340c	3	3	..	Either	
Woodlot Management	330a	2	1	1	First	
Zoology:						
Technique	332b	2	..	2	Second	
Comparative Vertebrate Anatomy	431	6	2	..	Second	1959-60
		..	..	2	Both	
Economic Invertebrate Zoology	432	6	1	1	First	1960-61
		..	2	2	Second	

EVALUATION OF COURSES

For the purposes of evaluation, a full course consists of three lectures per week throughout the year, and is rated at 6 units. A two-hour laboratory period equals one lecture period. More or less than full courses are rated proportionately. One "unit" is one lecture or one laboratory period per week for one term.

COURSES OF STUDY

Before entering upon the Third year, students must prepare, in consultation with the professors under whom major subjects are to be taken, summaries of courses to be taken in the Third and Fourth years, which shall include, in addition to Agriculture 300a, the equivalent of not less than 11 nor more than 12½ full courses (*i.e.*, from 67 to 76 units). Term schedules must be approved by the Faculty.

During the Third and Fourth years, students may specialize in any one of the following subjects. In special cases, and when approved by Faculty, a combination of two subjects may be arranged. In this case not less than 3½ full courses (21 units) must be taken in each subject.

MAJOR SUBJECTS OFFERED

Agricultural Engineering
Agronomy
Animal Husbandry
Agricultural Bacteriology
Agricultural Chemistry
Agricultural Economics
Entomology
General Biology
Horticulture
Plant Pathology
Poultry Husbandry

In addition to the foregoing, courses are offered in General Agriculture as follows:

GENERAL AGRICULTURE

This option is designed for students who do not care to follow one of the specialized courses offered but who wish to obtain a general training in agriculture together with the basic sciences. It offers the type of training asked for by those wishing to do extension work, to enter the commercial field, or to farm. It is arranged to meet the requirements of students who wish to give special attention to combinations of subjects which are not provided for otherwise. Though planned as a general course, it provides the possibility of pursuing graduate studies.

This option is under the direction of the Chairmen of the Departments of Agronomy and of Animal Husbandry.

The following are the courses which are obligatory in the various options. Any additional courses needed to make up the minimum requirements of 67 units may be selected from any courses listed in the Announcement, subject to time table restrictions. No schedule may contain more than 76 units.

†GENERAL AGRICULTURE

THIRD YEAR—Obligatory courses

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agronomy 343	6	2	1	2	1
Animal Husbandry 335b	3	..	..	..	3
Chemistry 332a	4	2	2	..	..
Chemistry 354	8	2	2	2	2
Economics 330b	3	..	..	3	..
Economics 332a	3	3	..	..	..
Mathematics 331	3	1	1	..	1
Total units	31	9	9	6	7

THIRD YEAR—Elective courses †

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Pathology 330b	3	..	..	3	..
Botany 330b	4	..	..	2	2
Horticulture 344b	3	..	..	2	1
Plant Pathology 331a	4	2	2	..	..

†It is intended that elective courses to bring the total units up to the requirements (minimum 67, maximum 76), shall be chosen from those listed. However, other courses listed in the Announcement may also be elected.

GENERAL AGRICULTURE

FOURTH YEAR—Obligatory courses

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering 439	6	2	2	2	..
Animal Husbandry 330a	3	2	1	..	..
Bacteriology 330b	4	..	..	2	2
Extension Methods 330	4	1	1	1	1
Genetics 330a	5	3	2	..	..
Nutrition 430	6	2	1	2	1
Total units	28	11	5	8	4

FOURTH YEAR—Elective courses

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Entomology 434b	4	..	..	2	2
Poultry 333a	4	3	1	..	..

AGRICULTURAL ENGINEERING

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agricultural Engineering 330	4	1	1	1	1
Agricultural Engineering 333a	4	2	2	..	..
Agricultural Engineering 334b	4	..	..	2	2
Agricultural Engineering 337	4	2	..	2	..
Agricultural Engineering 338	6	1	2	1	2
Animal Husbandry 335b	3	..	..	..	3
Chemistry 354 (lectures only)	4	2	..	2	..
Economics 332a	3	3	..	..	..
Mathematics 330	2	1	..	1	..
Plant Pathology 331a	4	2	2	..	..
Total units	39	14	8	9	8

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering 431b	4	..	..	2	2
Agricultural Engineering 432b	2	..	..	..	2
Agricultural Engineering 435	6	..	3	..	3
Agricultural Engineering 436b	3	..	..	..	3
Agricultural Engineering *437	2	1	..	1	..
Agricultural Engineering 439	6	2	2	2	..
Agricultural Engineering 440	6	2	1	2	1
Agronomy 343	6	2	1	2	1
Physics *432b	1	..	..	1	..
Physics 436a	2	1	1	..	..
Total units	36 or 37	7 or 8	8	9	12

Total—75 or 76 units

*Students intending to proceed to the Faculty of Engineering must take Agricultural Engineering 437 and not Physics 432b. Students not intending to proceed to McGill may take *either* Agricultural Engineering 437 or Physics 432b.

AGRONOMY

Agronomy deals with the science of field crop production. Inasmuch as crop production can be divided into two broad phases, viz., plant and soil, the option is designed to permit students to so specialize. In the Third year all students electing agronomy take the same courses, selected to give a broad base in fundamental sciences. In the Fourth year the student elects one of two phases, viz., plant phase including plant breeding, or soil phase.

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agronomy 331b	3	..	..	2	1
Agronomy 345	3	..	2	..	1
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Botany 433	3	..	2	..	1
Chemistry 332a (lectures only)	2	2	..	..	..
Chemistry 354	8	2	2	2	2
Genetics 330a	5	3	2	..	..
Mathematics 331	3	1	1	..	1
Physics 333a	4	2	2	..	..
Agronomy 442*	..	..	..	..	..
Total units	40	10	12	8	10

* All Third year students are required to attend oral presentations in this course.

FOURTH YEAR—PLANT PHASE

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering 333a	4	2	2	..	..
Agronomy 432a	3	2	1	..	..
Agronomy 435b	3	..	..	2	1
Agronomy 436b	3	..	..	2	1
Agronomy 438b	2	..	..	2	..
Agronomy 442	2	..	1	..	1
Agronomy 444a	2	..	2	..	..
Agronomy 446a	2	2	..	..	..
Animal Husbandry 335b	3	..	..	..	3
Economics 331b	3	..	..	3	..
Entomology 434b	4	..	..	2	2
Plant Pathology 331a	4	2	2	..	..
Total units	35	8	8	11	8

Total—75 units

FOURTH YEAR—SOIL PHASE

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering 439 (1st term only)	4	2	2	..	..
Agronomy 432a	3	2	1	..	..
Agronomy 436b	3	..	..	2	1
Agronomy 438b	2	..	..	2	..
Agronomy 442	2	..	1	..	1
Agronomy 444a	2	..	2	..	..
Agronomy 446a	2	2	..	..	..
Bacteriology 432a	4	2	2	..	..
Chemistry 335a	5	2	3	..	..
Chemistry 336b	5	..	..	2	3
Chemistry 448b	4	..	..	2	2
Total units	36	10	11	8	7

Total—76 units

ANIMAL HUSBANDRY

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agronomy 343	6	2	1	2	1
Animal Husbandry 330a	3	2	1	..	..
Animal Husbandry 334b	3	..	..	2	1
Animal Pathology 330b	3	..	..	3	..
Bacteriology 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Chemistry 347b (lectures only)	2	..	..	2	..
Genetics 330a	5	3	2	..	..
Mathematics 331	3	1	1	..	1
Physics 340a	2	1	1	..	..
Total units	36	11	9	11	5

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Husbandry 438a	3	2	1	..	..
Animal Husbandry 439b	3	..	..	2	1
Animal Husbandry 441b	3	..	..	2	1
Animal Husbandry 442a	3	..	3	..	..
Animal Husbandry 443a	3	..	3	..	..
Animal Pathology 431a	3	3	..	..	..
Animal Pathology 434b	3	..	..	2	1
Dairying 430a	4	2	2	..	..
Economics 331b	3	..	..	3	..
Nutrition 430	6	2	1	2	1
Nutrition 432b	2	..	..	2	..
Total units	36	9	10	13	4

Total—72 units

AGRICULTURAL BACTERIOLOGY

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Bacteriology 330b	4	..	..	2	2
Bacteriology 333b	4	..	..	1	3
Chemistry 332a	4	2	2	..	..
Chemistry 333a	6	2	4	..	..
Chemistry 334b	6	..	..	2	4
Chemistry 347b or Chemistry 448b	4	..	..	2	2
Mathematics 331	3	1	1	..	1
Physics 333a	4	2	2	..	..
Plant Pathology 333a	4	2	2	..	..
Total units	40	9	12	7	12

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology 432a	4	2	2	..	..
Bacteriology 434b	4	..	..	2	2
Bacteriology 435a	4	2	2	..	..
Bacteriology 436	6	..	3	..	3
Bacteriology 437	2	..	1	..	1
Bacteriology 438a	4	2	2	..	..
Chemistry 354 (lab. 1st term only)	6	..	2	2	2
or					
Chemistry 451a, and	4	2	2	..	..
Chemistry 452b (lectures only)	2	..	..	2	..
Elective*	6	..	..	..	..
Total units	36	..	..	..	..

* Students are required to add one or more elective courses, to a maximum of 6 units, these to be chosen in consultation with the Chairman of the Department.

Total—76 units

AGRICULTURAL CHEMISTRY

ANIMAL BIOCHEMISTRY GROUP

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Animal Pathology 330b	3	..	..	3	..
Bacteriology 330b	4	..	..	2	2
Chemistry 331a	3	1	2	..	..
Chemistry 332a	4	2	2	..	..
Chemistry 333a	6	2	4	..	..
Chemistry 334b	6	..	..	2	4
Chemistry 347b	4	..	..	2	2
Mathematics 330	2	1	..	1	..
Physics 333a	4	2	2	..	..
Total units	37	8	11	10	8

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology 434b	4	..	..	2	2
Chemistry 439	6	1	2	1	2
Chemistry 440	6	..	3	..	3
Chemistry 441	2	1	..	1	..
Chemistry 451a	4	2	2	..	..
Chemistry 452b	4	..	..	2	2
Mathematics 331	3	1	1	..	1
Nutrition 430	6	2	1	2	1
Physics 438	4	2	..	2	..
Total units	39	9	9	10	11

Total—76 units

AGRICULTURAL CHEMISTRY

SOIL AND PLANT GROUP

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Chemistry 333a	6	2	4	..	..
Chemistry 334b	6	..	..	2	4
Chemistry 354	8	2	2	2	2
Mathematics 330	2	1	..	1	..
Physics 333a	4	2	2	..	..
Total units	39	9	11	9	10

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy 438b	2	..	..	2	..
Bacteriology 432a	4	2	2	..	..
Chemistry 331a	3	1	2	..	..
Chemistry 439	6	1	2	1	2
Chemistry 440	6	..	3	..	3
Chemistry 441	2	1	..	1	..
Chemistry 448b	4	..	..	2	2
Mathematics 331	3	1	1	..	1
Physics 436a	2	1	1	..	..
Physics 438	4	2	..	2	..
Total units	36	9	11	8	8

Total—75 units

AGRICULTURAL ECONOMICS

Students electing Economics as a major subject take their Third year work at Macdonald College and their Fourth year work in the Department of Economics and Political Science at McGill University. They must have attained a standing in the first two years equivalent to at least second class honours according to the standards of the Faculty of Arts and Science, and have their courses approved by the Chairmen of the departments concerned. This option fulfils the academic requirements for admission to the Faculty of Graduate Studies and Research for work leading to the degree of Master of Arts. A minimum of 62 units is required.

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agronomy 343	6	2	1	2	1
Animal Husbandry 330a	3	2	1	..	..
or					
Horticulture 343a	3	2	1	..	..
Animal Husbandry 334b	3	..	..	2	1
or					
Horticulture 344b	3	..	..	2	1
Chemistry 354 (no lab. in 2nd term)	6	2	2	2	..
Economics 330b	3	..	..	3	..
Economics 331b	3	..	..	3	..
Economics 332a	3	3	..	..	..
Economics 333	6	3	..	3	..
Extension Methods 330	4	1	1	1	1
Total units	38	13	6	16	3

FOURTH YEAR (in Montreal)

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Economics	321	3	..	3	..
Economics	361	3	..	3	..
Economics	412	3	..	3	..
Elective		3	..	3	..
Total units		12		12	

Total—62 units

ENTOMOLOGY

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Chemistry 332a	4	2	2	..	..
Entomology 330	8	2	2	2	2
Entomology 335b	4	..	..	..	4
Entomology 333	6	1	2	1	2
Zoology 332b	2	..	..	..	2
Physics 333a	4	2	2	..	..
Total units	29	7	9	3	10

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Entomology 433	8	2	2	2	2
Entomology 435b	4	..	..	4	..
Entomology 437	2	..	1	..	1
Entomology 438	4	..	2	..	2
Genetics 330a	5	3	2	..	..
Mathematics 331	3	1	1	..	1
Total units	26	6	8	6	6

Third or Fourth Year (depending on session offered).

1 Either Entomology 436 1 lect., 1 lab. per week, 1st term; 2 lects., 2 labs. per week, 2nd term (1959-60)

Or Zoology 431 2 labs. per week, both terms; 2 lects. per week, 2nd term (1959-60)

2 Zoology 432 1 lect., 1 lab. per week, 1st term; 2 lects., 2 labs. per week, 2nd term (1960-61)

Students particularly interested in Economic Entomology may also take Plant Pathology 331a or Agricultural Engineering 432b in Fourth year.

Total—67 units

GENERAL BIOLOGY

This option is designed for students who do not desire to take either of the more specialized biology courses during their undergraduate years, but rather to select courses which will serve as a foundation for later specialization in one of the fields of applied biology, or for a teaching career. The Fourth year courses in this option are arranged so that the student may emphasize either the botanical or the zoological sciences. The option is under the direction of the Chairman of the Departments of Entomology and Plant Pathology.

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Chemistry 332a	4	2	2	..	..
Physics 333a	4	2	2	..	..
Genetics 330a	5	3	2	..	..
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Botany 432a	3	1	2	..	..
Botany 433	3	..	2	..	1
Zoology 332b	2	..	..	..	2
Zoology 431 (*1959-60*) *or* Zoology 432 (*1960-61*) *or* Entomology 436 (*1959-60*)*	6	.. 1	2 1	2	2
Total Units	36	8 or 9	13 or 12	6	9

*In special cases students may elect Entomology 436 as an additional course.

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Mathematics 331	3	1	1	..	1
Zoology 431 (*1959-60*) *or* Zoology 432 (*1960-61*)	6	.. 1	2 1	2	2
Entomology 335b	4	..	..	..	4
Plant Pathology 434 *or* Entomology 438	4	..	2	..	2
Plant Pathology 435 *or* Entomology 437	2	..	1	..	1
Total Units	19	1 or 2	6 or 5	2	10

GENERAL BIOLOGY

and one of the following Groups:—

GROUP A

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Botany 331b *and* 334a	6	1	2	1	2
or					
Bacteriology 432a *or* Chemistry 448b	4	2 or ..	2 or ..	.. or 2	.. or 2
Plant Pathology 331a *and* 333a	8	4	4	..	..
or					
Entomology 436 (*1959-60*)	6	1	1	2	2
Total Units	10-14	(1-6)	(1-6)	(0-4)	(0-4)

Under special circumstances students may elect to do both Bacteriology 432a and Chemistry 448b.

GROUP B

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Entomology 333 *or*	6	1	2	1	2
Chemistry 347b	4	..	..	2	2
Entomology 330 *or*	8	2	2	2	2
Entomology 436 (*1959-60*) *or*	6	1	1	2	2
Chemistry 347b (if Entomology 333 is elected)	4	..	..	2	2
or					
Bacteriology 432a *and* Plant Pathology 333a	8	4	4	..	..
Total Units	8-14	(0-5)	(0-6)	(1-4)	(2-4)

Total Units for 4th year—27 - 33.

Note: Where the number of units for both option years otherwise totals less than 67 both Plant Pathology 434 and Entomology 438 may be taken.

Total—67 to 69 units

HORTICULTURE

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Chemistry 354	8	2	2	2	2
Mathematics 331	3	1	1	..	1
Physics 333a	4	2	2	..	..
Plant Pathology 331a	4	2	2	..	..
Total units	32	9	10	6	7

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy 444a	2	..	2	..	..
Agricultural Engineering 439 (1st term only)	4	2	2	..	..
Botany 433	3	..	2	..	1
Entomology 434b	4	..	..	2	2
Genetics 330a	5	3	2	..	..
Horticulture 432a	4	2	2	..	..
Horticulture 435b	4	..	..	3	1
Horticulture 436b	3	..	..	2	1
Horticulture 437	2	..	1	..	1
Total units	31	7	11	7	6

Third or Fourth Year (depending on session offered)

Horticulture 338a 2 lects., 2 labs. per week, 1st term (1959-60)
Horticulture 339b 2 lects., 2 labs. per week, 2nd term (1959-60)
Horticulture 431 2 lects., 2 labs., per week, both terms (1960-61)

Total—72 units

Horticulture specialists must take two of the following three groups: Horticulture 431; Horticulture 432a, 435b and Woodlot Management 330a; Horticulture 338a, 339b.

PLANT PATHOLOGY

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Botany 331b	3	..	..	1	2
Botany 334a	3	1	2	..	..
Chemistry 332a	4	2	2	..	..
Mathematics 331	3	1	1	..	1
Physics 333a	4	2	2	..	..
Plant Pathology 330b	3	..	..	1	2
Plant Pathology 333a	4	2	2	..	..
Total units	33	8	10	6	9

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Botany 432a	3	1	2	..	..
Botany 433	3	..	2	..	1
Chemistry 448b	4	..	..	2	2
Entomology 434b	4	..	..	2	2
Genetics 330a	5	3	2	..	..
Plant Pathology 434	4	..	2	..	2
Plant Pathology 435	2	..	1	..	1
Total units	25	4	9	4	8

Third or Fourth Year (depending on session offered).

Plant Pathology 332b 2 lects., 2 labs., second term (1960-61)
Plant Pathology 436 2 lects., 2 labs., both terms (1959-60)

Students are also advised and may be required, to take Agricultural Engineering 432b in Fourth year, and Horticulture 344b, preferably in the same year as Plant Pathology 332b.

Total—70 units

POULTRY HUSBANDRY

THIRD YEAR

COURSES	Unit Value	1st term		2nd term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Animal Pathology 330b	3	..	..	3	..
Bacteriology 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Economics 330b	3	..	..	3	..
Economics 332a	3	3	..	..	..
Genetics 330a	5	3	2	..	..
Mathematics 331	3	1	1	..	1
Physics 333a	4	2	2	..	..
Poultry 333a	4	3	1	..	..
Poultry 339b	2	..	..	1	1
Total units	36	14	9	9	4

FOURTH YEAR

COURSES	Unit Value	1st term		2nd term	
		Lects.	Labs.	Lects.	Labs.
Agronomy 343	6	2	1	2	1
Animal Pathology 431a	3	3	..	..	..
Animal Pathology 432b	2	..	..	..	2
Animal Husbandry 439b	3	..	..	2	1
or					
Chemistry 347b	4	..	..	2	2
Economics 331b	3	..	..	3	..
Poultry 435	4	1	1	1	1
Poultry 436	4	..	2	..	2
Poultry 437	6	..	3	..	3
Total units	31 or 32	6	7	8	10 or 11

Third or Fourth Year (depending on session offered).

Poultry 431a 2 labs. per week, 1st term (1959-60).
Poultry 434b 2 lects., 1 lab. per week, 2nd term (1959-60).
Poultry 438b 2 lects., 1 lab. per week, 2nd term (1960-61).

Total—75 or 76 units

DESCRIPTION OF COURSES—

Courses designated "a" are given in the first term only.
Courses designated "b" are given in the second term only.
Courses designated "c" may be given in either term.
Courses with no letter designation continue throughout both terms.

DEPARTMENT OF AGRICULTURAL ENGINEERING

Professor	ANGUS BANTING
Associate Professor	J. H. COOPER
Assistant Professor	A. C. MALLOCH

330 (ENGINEERING 522). DESCRIPTIVE GEOMETRY

Fundamentals of orthographic projection; characteristics of lines and planes; plane figures and solids; auxiliary projections; analytical solutions; dihedral angles; solutions on cones (See note after 437).

1 Lect.; 1 Lab. per week—both terms. *Professor Malloch*

333a. FARM MACHINERY

A study of tillage, harvesting, and crop processing machinery. Field tests, dynamometer studies, hitches, and adjustments.

2 Lects.; 2 Labs. per week—first term. *Professor Malloch*

Text Book:—Smith, Farm Machinery and Equipment.

334b. FARM POWER MACHINERY

A study of internal combustion engines, tractors, and power transmission.

2 Lects.; 2 Labs. per week—second term. *Professor Cooper*

Text Book:—Jones, Farm Gas Engines and Tractors.

337. MECHANICS OF MATERIALS

Resolution and composition of force systems; force polygons; centres of gravity; reactions and stresses in structures. Strength of materials.

2 Lects. per week—both terms. *Professor Cooper*

Text Book:—Poorman, Applied Mechanics.

338. SHOPWORK

Hand and power equipment in woodworking; structural joints and fastenings; ropework and belting. *Professor Malloch*

Metals: properties and physical tests, heat treatments, forging, welding (forge, flame, arc), soldering. Machine shop techniques. *Professor Cooper*

1 Lect.; 2 Labs. per week—both terms.

Text Book:—Ashcroft and Easton, General Shopwork.

431b. FARM BUILDINGS

Requirements, design, and construction of various farm buildings, insulation, heat loss, ventilation and sanitation.

Prerequisite:—Agr. Eng. 330 and 337.

2 Lects.; 2 Labs. per week—second term.

Professors Banting and Malloch

Text Book:—Foster and Carter, Farm Buildings.

432b. SPRAYING AND DUSTING EQUIPMENT

A laboratory study of spray pumps, dusting machines, spray guns, and other equipment.

2 Labs. per week—second term. *Professor Malloch*

435. AGRICULTURAL DRAFTING

The use of drawing instruments, projection, elementary architectural drawing. Perspective, architectural, and machine drawing.

3 Labs. per week—both terms. *Professor Malloch*

Text Book:—French and Vierek, Engineering Drawing.

436b. PROJECTS

Second term. Credit—3 units.

437 (ENGINEERING 340). MECHANICS

Kinematics, dynamics and statics of systems of particles and rigid bodies; variable rectilinear and curvilinear motion; simple harmonic motion, translation and rotation of rigid bodies; internal forces, energy methods, impact, gyroscopes.

1 Lect. per week—both terms. *Professor Cooper*

Text Book:—Higdon and Stiles, Engineering Mechanics (Prentice-Hall).

Note: Students taking courses 330 and 437 will sit for the examination as given in the Engineering Faculty in 522 and 340.

439. ENGINEERING FOR LAND DEVELOPMENT

Part I. Methods of land surveying applicable to agriculture, including area surveys, levelling, mapping, and making of drainage profiles: land drainage, elements of hydraulics. Part II. Engineering aspects of erosion control, farm pond design, irrigation, and land clearing. Prerequisite, Part I. Non-specialists may elect Part I only if desired.

2 Lects.; 2 Labs. per week—first term, plus 5 days field work prior to opening date of session; 2 Lects. per week—second term. *Professor Banting*

Text Books:—For students taking Part I only: Roe and Ayres, Engineering for Agricultural Drainage.

For students taking Parts I and II: Frevert, Schwab, Edminster and Barnes, Soil and Water Conservation Engineering.

440. FARM ELECTRIFICATION

Applied electricity, current distribution on the farm, wiring codes, motors and electric equipment for the farm.

2 Lects.; 1 Lab. per week—both terms. *Professor Cooper*

Text Book:—Gray and Wallace, Principles and Practice of Electrical Engineering.

AGRICULTURE

Two orientation courses provided by the departments of Economics, Horticulture, Poultry, Engineering, Animal Husbandry and Agronomy, offering a general view of agriculture, and some consideration of the nature and problems of the various branches in relation to each other and to the sciences.

110. AGRICULTURE:

Part 1 Economics—Considers the nature of economics, examines the place of agriculture in the economy, and introduces the economics of Canadian Agriculture. *Professor Haver*

Part 2 Horticulture—A survey of the fruit and vegetable industries, landscape practice, floriculture, and the secondary horticultural divisions, fruit preservation, and nursery practice in relation to other branches of agriculture. *Professors Murray, Taper, David and Harney*

Part 3 Poultry—An introductory survey of production and marketing practices in the poultry industry. *Professors Maw and Nikolaiczuk*

Part 4 Engineering—Lectures and demonstrations on the role of engineering in agriculture, covering general principles of land development, farm machinery, farm power machinery (including rural electrification), farm buildings and rural sanitation.

2 Lects.; 1 Lab. per week—both terms.
Professors Banting, Cooper and Malloch

220. AGRICULTURE.

Part 1 Animal Husbandry—Designed to give an appreciation of the development and importance of the livestock industry, type and present levels of production of farm livestock, and breeding, feeding and management practices. *Professor MacDonald*

Part 2 Agronomy—Soil and crop management and a general review of the most important crops in Canada. *Professor Steppler*

Part 3 Economics—An extension of Part 1 of Agr. 110, delineating federal and provincial jurisdiction over agriculture, and studying farm credit and co-operatives.

2 Lects., 1 Lab. per week—both terms. *Professor Haver*

300a. AGRICULTURE

A tour to illustrate the diversity of the agricultural industry, the problems besetting a farmer, the nature of some agricultural research, the impact of climatic, edaphic and economic factors on agriculture.
Sept. 18th and 19th, 1959.

Professor Steppler and Student Tour Committee

DEPARTMENT OF AGRONOMY

Professor H. A. STEPPLER, *Chairman of the Department*
Associate Professor R. I. BRAWN
Assistant Professor H. R. KLINCK
Assistant Professor J. S. BUBAR
Instructor and Field Superintendent W. W. KEELER

331b. CEREAL CROPS

An intensive study of cereal crops; production, types, varieties, culture, utilization, seed production, grain and seed grades.

Prerequisite:—Agronomy 345.

2 Lects.; 1 Lab. per week—second term. *Professor Klinck*

343. FIELD CROP PRODUCTION

For students other than specialists in Agronomy. Crop adaptation, factors affecting production, forage and grain crops.

2 Lects.; 1 Lab. per week—both terms. *Professors Bubar and Klinck*

345. INTRODUCTION TO AGRONOMIC CROPS

A study of characteristics of important agronomic crops.

Prerequisite for Agronomy 331b, 432a, 446a.

2 Labs. per week—first term; 1 Lab. per week—second term.

Professor Bubar

432a. HAY AND PASTURE CROPS

An intensive study of forage crops; species, varieties, adaptation, mixtures, management, preservation, and seed production.

Prerequisite:—Agronomy 345.

2 Lects.; 1 Lab. per week—first term. *Professor Steppler*

435b. PLANT BREEDING

Problems, methods, and the interpretation of results, in the breeding of field crops. Prerequisite:—Genetics 330a, and Botany 433 or one Crops Course.

2 Lects.; 1 Lab. per week—second term. *Professor Brawn*

436b. CROP ADAPTATION AND DISTRIBUTION

Factors influencing crop adaptation and their effect on distribution.

2 Lects.; 1 Lab. per week—second term. *Professor Brawn*

438b. SOIL MANAGEMENT

An analysis of factors influencing soil productivity and their control.

Prerequisite:—Chemistry 354.

2 Lects. per week—second term. *Professor Bubar*

442. PROJECTS

Directed study on an approved problem, requiring both oral and written presentation. Third and Fourth year students must attend all oral presentations. The total time for Third and Fourth year students is equivalent to one lab. per week, both terms.

Professor Steppler and Staff

444a. STATISTICAL METHODS

Experimentation, analysis, and design in biological research.

Prerequisite:—Mathematics 331 or its equivalent. See also course Agronomy 60 in the Faculty of Graduate Studies and Research, of which this is a part.

2 Labs. per week—first term. *Professor Steppler*

446a. MISCELLANEOUS AGRONOMIC CROPS

A study of agronomic crops not discussed in Agronomy 331b or 432a, which are grown for the production of oil, fibre, sugar, and other products of economic importance.

Prerequisite:—Agronomy 345.

2 Lects. per week—first term. *Professor Klinck*

DEPARTMENT OF ANIMAL HUSBANDRY

Chairman of the Department,	
Associate Professor	L. H. HAMILTON
Professor	E. W. CRAMPTON
Associate Professor	M. A. MACDONALD
Assistant Professors	P. A. ANASTASSIADIS
	J. E. MOXLEY

330a. SWINE PRODUCTION

Care, feeding, and management of swine. Special problems of bacon hog production. Swine experimentation and interpretation of results.

2 Lects.; 1 Lab. per week—first term. *Professor Moxley*

334b. DAIRY CATTLE PRODUCTION

The production of dairy cattle, with special reference to the problems of the dairy cattle industry; breeding, care, and management of dairy cattle; dairy cattle organizations.

2 Lects.; 1 Lab. per week—second term. *Professor MacDonald*

335b. LIVESTOCK JUDGING AND MANAGEMENT

An introductory course dealing with the principles and practice of livestock selection and management. For students other than specialists in Animal Husbandry.

3 Labs. per week—second term. *Professor Moxley*

438a. REPRODUCTION PHYSIOLOGY

Principles of reproduction of farm animals. Anatomy and physiology of the reproductive system in the male and female; early prenatal development; hormones in reproduction; artificial insemination.

2 Lects.; 1 lab. per week—first term. *Professor MacDonald*

439b. ANIMAL BREEDING

Genetics in relation to the breeding of farm animals. Systems of mating and selection for animal improvement. Prerequisite Genetics 330a.

2 Lects.; 1 Lab. per week—second term. *Professor Moxley*

441b. HORSES, SHEEP, AND BEEF CATTLE

A course covering the important features of the production of these classes of stock in Canada.

2 Lects.; 1 Lab. per week—second term. *Professor Hamilton*

442a. PROJECTS

In special cases, permission may be obtained to substitute Nutrition 433c for this course. Credit—3 units. *Staff*

443a. LIVESTOCK JUDGING AND MANAGEMENT

An advanced course in livestock selection and management. This course includes visits to various farms, breeding establishments, and livestock shows.

3 Labs. per week—first term. *Staff*

DEPARTMENT OF ANIMAL PATHOLOGY

Chairman of the Department, Assistant Professor — D. G. DALE

330b. ELEMENTARY PHYSIOLOGY

3 Lects. per week—second term. *Professor Dale*

431a. DISEASE PREVENTION

The causes of disease; elementary immunology. General principles of disease prevention, sanitation, and hygiene. Prerequisite for Animal Pathology 432b.

Prerequisite:—Animal Pathology 330b and Bacteriology 330b or its equivalent.

3 Lects. per week—first term. *Professor Dale*

432b. POULTRY DISEASES

Autopsy and laboratory work; discussion of the important poultry diseases.

Prerequisite:—Animal Pathology 431a.

2 Labs. per week—second term. *Professor Dale*

434b. DISEASE PREVENTION

Specific problems in the prevention of diseases of animals caused by bacteria, viruses, internal parasites, external parasites, and nutritional deficiences. Prerequisite:—Animal Pathology 431a.

2 Lects.; 1 Lab. per week—second term. *Professor Dale*

DEPARTMENT OF AGRICULTURAL BACTERIOLOGY

Chairman of the Department, Professor — A. C. BLACKWOOD

Assistant Professor — R. KNOWLES

Lecturer — G. A. JONES

330b. GENERAL MICROBIOLOGY

General introduction to microbiology; elementary principles of microbial morphology and physiology; relation of microorganisms to fermentations, food, dairy, water, sewage, soils and disease.

2 Lects.; 2 Labs. per week—second term. *Professor Blackwood*

Text Books: Frobisher, Fundamentals of Bacteriology; Stanier, et al., The Microbial World (option students only).

333b. LABORATORY METHODS

A study of techniques especially as applied to bacterial morphology and physiology; enrichment, isolation and identification of selected groups of microorganisms.

1 Lect.; 3 Labs. per week—second term. *Staff*

Text Book: Manual of Microbiological Methods.

432a. SOIL MICROBIOLOGY

A study of some of the groups of microorganisms in the soil and their importance in the dynamics of soil processes. Methods of counting and isolating organisms and of studying soil metabolism. Ecology of the soil microbial population and its interrelationships with higher plants.

2 Lects.; 2 Labs. per week—first term. *Professor Knowles*

434b. FOOD MICROBIOLOGY

The microbiological examination of food and of the fermentations involved in small scale and industrial processes. Principles of preservation, food poisoning, and intestinal microbiology.

2 Lects.; 2 Labs. per week—second term. *Professor Knowles*

435a. DAIRY BACTERIOLOGY

A study of the organisms encountered during the production of milk and milk products. Principles of pasteurization and disinfection, etc.

2 Lects.; 2 Labs. per week—first term. *Mr. Jones*

436. PROJECTS

A project involving laboratory work will be assigned each 4th year option student. Credit—6 units. *Staff*

437. SEMINAR. Credit—2 units. *Staff*

438a. PHYSIOLOGY OF MICROORGANISMS

Principles of microbial physiology including growth, nutrition, intermediary metabolism, and industrial fermentations. The laboratory includes experiments on microbial assays, carbon balances, preparation and assay of enzyme extracts; the use of the Warburg apparatus and Thunberg tubes, etc.

2 Lects.; 2 Labs. per week—first term. *Professor Blackwood*

Text Book: Oginsky and Umbreit, An Introduction to Bacterial Physiology.

BOTANY

110. INTRODUCTORY BOTANY

A study of the flowering plant as a living organism with fundamentals of structure, physiology, and reproduction, and an introduction to the general morphology of plants involving consideration of representative types of the several groups of the plant kingdom.

2 Lects.; 2 Labs. per week—both terms.

Professor Callen (Plant Pathology)

330b. PLANT PHYSIOLOGY

A study of the water relations, mineral nutrition, photosynthesis, respiration, growth, and development of plants.

2 Lects.; 2 Labs. per week—second term.

Professor Pelletier (Plant Pathology)

331b. PLANT HISTOLOGY AND CYTOLOGY

A detailed study of cells, cell division, tissues and their development, and the general anatomy of vascular plants.

1 Lect.; 2 Labs. per week—second term.

Professor Estey (Plant Pathology)

334a. PLANT HISTOLOGICAL METHODS

A course in methods for the preparation of plant materials for microscopic examination, and in the use of equipment for microscopy and photomicrography.

1 Lect.; 2 Labs. per week—first term.

Professor Estey (Plant Pathology)

432a. PLANT MORPHOLOGY

1 Lect.; 2 Labs. per week—first term.

Professor Callen (Plant Pathology)

433. SYSTEMATIC BOTANY

2 Labs. per week—first term; 1 Lab. per week—second term.

Professor Callen (Plant Pathology)

DEPARTMENT OF AGRICULTURAL CHEMISTRY

Professors	R. H. COMMON W. A. DELONG H. G. DION
Associate Professor	B. E. BAKER
Assistant Professor	P. A. ANASTASSIADIS
Lecturer	G. O. HENNEBERRY

110. INORGANIC CHEMISTRY

3 Lects.; 2 Labs. per week—both terms. *Mr. Henneberry*

Text Book:—Cragg and Graham, An Introduction to the Principles of Chemistry (Clarke, Irwin).

220. ORGANIC CHEMISTRY

Fundamental concepts of organic chemistry; properties and structure of related aliphatic, aromatic and the simpler heterocyclic compounds. Laboratory work includes preparation and examination of typical organic compounds.

3 Lects.; 2 Labs. per week—both terms. *Professor Baker*

Text Book:—Wertheim, Textbook of Organic Chemistry (Blakiston).

331a. ORGANIC CHEMISTRY

A laboratory course designed to provide experience in laboratory methods and techniques.

1 Lect.; 2 Labs. per week—first term. *Professor Baker*

332a. GENERAL BIOCHEMISTRY

Carbohydrates; lipids; amino-acids and proteins; properties, nature, and classification of enzymes.

2 Lects.; 2 Labs. per week—first term. *Professor Common*

Text Book:—Downes, The Chemistry of Living Cells (Harper & Bros.).

333a. QUANTITATIVE ANALYTICAL CHEMISTRY

Application of the laws of chemical equilibration to ionization, pH., precipitations and oxidation-reduction reactions; problems in quantitative inorganic analysis. Laboratory work includes instruction in the use and care of the analytical balance; techniques of gravimetric, volumetric and colorimetric inorganic analysis; preparation of standard solutions; acidimetry and alkimetry; determinations of selected cations and anions by standard procedures.

2 Lects.; 4 Labs. per week—first term. *Professor DeLong*

Text Book:—Kolthoff and Sandell, Textbook of Quantitative Inorganic Analysis.

334b. QUALITATIVE ANALYTICAL CHEMISTRY

Valence, theories of acids and bases, ionization, theory of co-ordination compounds and complex ions, oxidation-reduction reactions, the law of mass action in relation to solubility and precipitation. Laboratory work is devoted to the systematic identification of the more common cations and anions by semi-micro techniques.

2 Lects.; 4 Labs. per week—second term. *Mr. Henneberry*

Text Book:—Gilreath, Qualitative Analysis (McGraw-Hill).

335a. QUANTITATIVE ANALYTICAL CHEMISTRY

As in Course 333a. with abridged laboratory.

2 Lects.; 3 Labs. per week—first term. *Professor DeLong*

336b. QUALITATIVE ANALYTICAL CHEMISTRY

As in course 334b, with abridged laboratory.

2 Lects.; 3 Labs. per week—second term. *Mr. Henneberry*

347b. PHYSIOLOGICAL CHEMISTRY

Prerequisites:—Chemistry 332a and Physics 333a. Alimentary digestion and absorption of nutrients; composition and properties of blood; gaseous exchange and acid base equilibrium; intermediate metabolism of nutrients and tissue respiration; urinary and fecal excretion; hormones.

Laboratory work parallels the lecture course and includes blood and urine analysis.

2 Lects.; 2 Labs. per week—second term. *Professor Common*

Text Book:—Downes, The Chemistry of Living Cells (Harper & Bros.).

354. INTRODUCTORY SOIL SCIENCE

Geology as related to soil formation; the characteristics, physical properties, and genesis of the major soil groups.

2 Lects.; 2 Labs. per week—both terms. *Professor DeLong*

Text Book:—Lyon, Buckman, and Brady, The Nature and Properties of Soils, 5th ed. (Macmilian).

439. PHYSICAL CHEMISTRY

An introduction to kinetic theory; the properties of solids and liquids; the phase rule; colligative properties of dilute solutions; thermochemistry and chemical kinetics.

1 Lect.; 2 Labs. per week—both terms. *Professor Baker*

Text Book:—Glasstone, Elements of Physical Chemistry (Van Nostrand).

440. ASSIGNED PROJECTS. Credit—6 units. *Staff*

441. SEMINAR. Credit—2 units. *Staff*

448b. PLANT BIOCHEMISTRY

Prerequisites:—Chemistry 332a and Physics 333a. Chemistry of plant nutrition with particular reference to the inorganic elements and interrelations in the metabolism of inorganic and organic substances.

2 Lects.; 2 Labs. per week—second term. *Professor DeLong*

450a. TEXTILE CHEMISTRY

See page 4608.

451a. CHEMISTRY OF FOODS AND FEEDING STUFFS

Principles of analysis, including a more detailed treatment of sugars, starches, oils, and fats; analytical chemistry of milk and milk products.

2 Lects.; 2 Labs. per week—first term.

Professors Common and Anastassiadis

452b. ADVANCED FOOD ANALYSIS

A specialized course including more advanced aspects of the analytical chemistry of oils and fats, of proteins and amino acids, of vitamins and of minor elements.

2 Lects.; 2 Labs. per week—second term.

Professors Common and Anastassiadis

DAIRYING

430a. THE DAIRY INDUSTRY

Its importance in Canadian agriculture, the relative importance of the various products, and an analysis of the trade. The farm dairy and its equipment. The composition, quality, value, care, and sale of milk and cream. Quality and defects in butter, cheese, and other dairy products. Instruction in testing, separating, buttermaking, and cheesemaking.

2 Lects.; 2 Labs. per week—first term. *Professor Anastassiadis*

DEPARTMENT OF AGRICULTURAL ECONOMICS

Professor D. L. MACFARLANE

Associate Professor C. B. HAVER

220b. PRINCIPLES OF ECONOMICS

The anatomy of the Canadian economy, especially the agricultural, household, and governmental segments. The business firm and the industry; price and output. Money; the Canadian banking system; national income and employment. The distribution of wealth and income. International trade.

3 Lects. per week—second term. *Professor MacFarlane*

330b. ECONOMICS OF MARKETING

Nature and importance of marketing. Markets and market prices. Selling and buying. Marketing margins and efficiency. Co-operation and

co-operatives. Federal and provincial marketing jurisdiction and policies. The marketing of Canada's principal farm products. Marketing study tours.

3 Lects. per week—second term. *Professor MacFarlane*

331b. ECONOMICS OF AGRICULTURE

The Canadian farm industry; the regionalism of production; the distribution of the labor force and of financial returns in Canadian agriculture; farm efficiency. The relation between agriculture and other Canadian industries. The economic background of farm policy. The international trade position of Canadian agriculture.

3 Lects. per week—second term. *Professor MacFarlane*

332a. FARM ACCOUNTING AND FARM MANAGEMENT

A system of single entry farm accounts involving inventories, cash receipts, and expenses; a system of production records; the analysis of farm account and production records as a means of improving efficiency of production; farm income tax. The economics of farm production and farm management decisions. Farm visits followed by a detailed analysis of the business of these farms involving the preparation of farm plans and budgets covering present and proposed farm management schemes.

3 Lects. per week—first term. *Professor Haver*

333. ECONOMIC ANALYSIS

An intermediate course in economic theory analyzing the forces which determine the levels of prices, production, consumption, income, and employment.

3 Lects. per week—both terms. *Professor Haver*

434c. PROJECT. Credit—3 units. *Staff*

321. MONEY AND BANKING

Theory and practice of money and credit; organization and operations of financial institutions; monetary policy; concept and function of money; early history of credit institutions; the crisis of 1825, the Peel Bank Act, and the development of the British financial system; the National Banking System in U.S. and the evolution of the Federal Reserve System; early development of Canadian banking; effects of World Wars I and II and of the Great Depression on U.S., U.K., and Canadian banking; monetary policy and economic fluctuations. (*Faculty of Arts and Science*)

3 Lects. per week—both terms.

361. ECONOMIC STATISTICS

Description of frequency distributions including averages, dispersion, and skewness. Charting and analysis of time series: trend lines, seasonal indexes, and measurement of cyclical fluctuations. Index numbers. Simple linear correlation. An introduction to Statistical Inference covering the following topics; elementary distributions, sampling, tests of statistical hypotheses, and estimation of population parameters.

(*Faculty of Arts and Science*)

2 Lects., 1 Lab. per week—both terms.

412a. ECONOMIC ANALYSIS

Analysis of the problems of the economy with special reference to Canada: the national accounts; the eclectic theory of the business cycle; a study of Canadian monetary and fiscal policy; Canadian trade agreements.

(*Faculty of Arts and Science*)

3 Lects. per week—first term.

412b. ECONOMIC ANALYSIS

Analysis of the economic problems of the firm; the basis of the demand curve; consumption by the household; entrepreneurial determination of market demand; types of markets and the price-output behaviour of firms in the different types of markets—agricultural markets, monopolistic markets, etc.; control of monopoly in Canada; special problems of the firm—advertising, forecasting demands, unionization and the supply of labour, location of industry, etc. (*Faculty of Arts and Science*)

3 Lects. per week—second term.

DEPARTMENT OF ENGLISH

Chairman of the Department, Associate Professor — H. R. C. AVISON

Professor of Education — C. WAYNE HALL

Lecturers — MARGARET H. DUBREUIL, A. R. GODFREY, C. MEIR

114. ENGLISH COMPOSITION

Instruction and practice in the elements of good speech and good writing. A student failing in the year's work will be required to repeat this course until the necessary standard has been attained.

1 Lect., 1 Lab. per week—both terms.

Professor Avison, Messrs. Godfrey, Meir and Mrs. Dubreuil

116. ENGLISH LITERATURE

A study of the forms of literature—mainly poetry, fiction, drama, from Anglo-Saxon times to about 1880—with special attention to those factors which condition literary taste and judgment. A schedule of topics and readings will be available before the course begins.

2 Lects. per week—both terms. *Mrs. Dubreuil, Messrs. Godfrey and Meir*

225. MODERN LITERATURE

An extension of Course 116, with topics and readings drawn from the work of British, Canadian, and American writers in the period from 1880 to the present. This course may be elected by Third or Fourth year students.

2 Lects. per week—both terms. *Professor Hall*

226. SPEAKING AND WRITING

An extension of Course 114 for students who require or desire further practice in oral and written expression. Laboratory periods may be substituted for lectures. This course may be elected by Third or Fourth yearstudents: it is required for Extension Methods 330, but should be taken, if possible, in the Second year.

2 Lects. per week—first term; 1 Lab. per week—second term.
Professor Avison, Messrs. Godfrey and Meir

All Second year degree course students must take either English 225 or English 226. The prerequisite to these courses is successful completion of Senior Matriculation English Literature and Composition, or English 114 and 116 at Macdonald College.

331. THE LITERATURE OF RURAL LIFE

A study of Canadian and American regional literature. The schedule of topics and readings, covering the period from pioneer settlements to the present day, will emphasize the large place in our literature held by prose and poetry which is inspired by the land and the people who live on the land. Not given for fewer than 5 students.

1 Lect. per week—first term; 2 Lects.; per week—second term.
Professor Avison

332. MODERN DRAMA

A reading course in modern English and American drama with special attention to trends and developments since 1900. Not given for fewer than 5 students.

2 Lects. per week—first term; 1 Lect. per week—second term.
Professor Hall

EXTENSION METHODS

330. EXTENSION METHODS

Study group technique; extension methods in agriculture and household science; rural sociology.

Laboratory work comprises participation in debates, conduct of public meetings and similar activities, and the operation of the Rural Problems Club, which meets weekly from November 1st to March 31st. Membership in the Club is open to all students in Agriculture, Household Science, and the School for Teachers. Students who elect this course will also be required to take English 226, unless this course was taken in the Second year.

1 Lect.; 1 Lab. per week—both terms. *Professor Avison and Committee*

DEPARTMENT OF ENTOMOLOGY

Professors	D. KEITH MCE. KEVAN E. MELVILLE DUPORTE (*Post-retirement*)
Associate Professor	F. O. MORRISON
Assistant Professors	R. S. BIGELOW J. E. MCFARLANE

330. INSECT MORPHOLOGY

2 Lects.; 2 Labs. per week—both terms. *Professor DuPorte*

333. INSECT PHYSIOLOGY

Comparative physiology with special reference to insects and other terrestrial arthropods. The elements of animal behaviour and reaction to external stimuli.

1 Lect.; 2 Labs. per week—both terms. *Professor McFarlane*

335b. SYSTEMATIC ENTOMOLOGY

The classification of the principal groups of insects. Each student will bring to the class at least 50 representatives of the main orders of insects which he has collected, mounted and labelled according to instructions given.

4 Labs. per week—second term. *Professor Bigelow*

433. ECONOMIC ENTOMOLOGY

The principles and practice of Applied Entomology from a professional standpoint, including a survey of the Class Hexapoda with special

reference to biological and economic aspects. A representative collection of economic insects including at least 50 adults, 20 larvae, and five complete life history sets will be required of all students taking this course.

2 Lects.; 2 Labs. per week—both terms. *Professor Morrison*

434b. GENERAL ENTOMOLOGY

A more elementary course similar to the foregoing, but suited to the general student. A collection of 25 adult insects, 10 larvae, and one complete life history set, representative of common economic insects, will be required of each student taking the course.

2 Lects.; 2 Labs. per week—second term. *Professor Morrison*

435b. PRINCIPLES OF TAXONOMY

This course is complementary to Entomology 335a. Bibliography, zoological nomenclature, trends in taxonomic theory and practice, etc.

4 Lects. per week—second term. *Professor Bigelow*

436. TERRESTRIAL ECOLOGY

The influence of the environment on development, activities, distribution, and abundance with particular reference to insects. Methods and principles of animal ecology and zoogeography. An introduction to the soil fauna. (*Given 1959-60*)

1 Lect.; 1 Lab. per week—first term; 2 Lects.; 2 Labs. per week—second term. *Professor Kevan*

437. SEMINAR

Presentation and discussion of reports on: (1) Assigned topics; (2) Recent work in Entomology and Zoology; (3) Original investigation.

Credit—2 units. *Staff*

438. PROJECTS

One or more problems entailing private investigation will be allotted to each student at the end of his Third year. The work done should be equivalent to two labs. per week, both terms. *Staff*

For other courses, see ZOOLOGY, page 4585.

FRENCH

100. French is used exclusively by lecturer and students in this course.

(a) *Travail oral:* The aim of this section of the course is to increase fluency, accuracy, and precision in speaking French. Assignments vary according to the interests and capabilities of the students.

(b) *Explication de textes:* A study, gauged to the achievement level of the students, of a novel of French Canada. The primary object is to master the story and to appreciate the atmosphere of French Canada as portrayed in the novel. Subsequently a detailed analysis is undertaken.

(c) *Cours de civilisation:* A survey course of French history; biographical and literary aspects are stressed.

Elective—3 Lects. per week—both terms.

Professor Hawkins and Mr. G. W. E. McElroy (Institute of Education)

Text Book: Douglas W. Alden, Ed., Introduction to French Masterpieces (Appleton-Century-Crofts).

300. Aim: practice in French for students who expect to work in Quebec Province; preparatory work for postgraduate students who intend to meet second language requirements in French. Emphasis will depend on needs of students enrolled. *Prerequisite:* Quebec High School Leaving French or equivalent. *Content:* writing, reading and oral practice.

Elective—3 Lects. per week—both terms.

Professor Hawkins (Institute of Education)

DEPARTMENT OF GENETICS

Professor	J. W. Boyes
Associate Professor	R. I. Brawn
Assistant Professor	W. F. Grant

330a. ELEMENTARY GENETICS

The modern concept of inheritance, applicable to both plants and animals, including reference to human inheritance.

3 Lects.; 2 Labs. per week—first term. *Professor Brawn*

Note: Genetics 62a, Cytology, Genetics 62b, Cytogenetics, Genetics 63b, Microbial Genetics, and Genetics 64b, Statistical Methods in Genetics, listed in the announcement of the Faculty of Graduate Studies and Research, are offered at Macdonald College and may be elected by senior undergraduate students by permission of the instructor concerned.

HISTORY

100. European civilization in medieval and modern periods.

(*Not offered in 1959-60*)

DEPARTMENT OF HORTICULTURE

Associate Professors	H. R. Murray C. D. Taper
Assistant Professor	Jean David
Lecturer	P. M. Harney

338a. POMOLOGY (ORCHARD FRUITS)

The fundamentals of orchard fruit propagation, production, and marketing, with visits to orchards, markets, and cold storage establishments when possible.

2 Lects.; 2 Labs. per week—first term. *Professor Taper*

339b. POMOLOGY (SMALL FRUITS)

The fundamentals of small fruit propagation, production, and marketing, with visits to producing areas and marketing establishments when possible.

2 Lects.; 2 Labs. per week—second term. *Professor Taper*

343a. HORTICULTURAL CROPS

Tree and bush fruits; fruit and vegetable processing.

2 Lects.; 1 Lab. per week—first term. *Professors Taper and David*

344b. HORTICULTURAL CROPS

Potatoes as a cash crop; canning and other special crops. The farm garden; landscaping the farm home.

2 Lects.; 1 Lab. per week—second term.
Professor Murray and Miss Harney

431. VEGETABLE CROPS

The principles of vegetable growing including economic importance, geography, types and varieties, cultural requirements, harvesting, grading, marketing, and storage, as applied to the important crop plants.

2 Lects.; 2 Labs. per week—both terms. *Professor Murray*

432a. LANDSCAPE ARCHITECTURE

Description, characteristics, and identification of ornamental plants, nursery practices and care of plant material. A brief history of gardens

and architecture. Landscape design, plans, sketches, drafting, and construction specifications, as applied to rural and urban homes, estates, parks and playgrounds, etc.

Prerequisite:—First term work of Agricultural Engineering 439.

2 Lects.; 2 Labs. per week—first term. *Miss Harney*

435b. FLORICULTURE

An introductory course in the propagation, production and forcing of commercial florist crops. The construction and management of propagating structures, such as greenhouses, coldframes and hotbeds are discussed, as well as the physiological factors governing the growth of plants under greenhouse conditions. Trips to greenhouse establishments are made where possible.

3 Lects.; 1 Lab. per week—second term. *Miss Harney*

436b. PLANT BREEDING

A study of the principles of genetics as applied to the breeding and improvement of horticultural crop plants. The development of breeding methods for different types of plants will be given special consideration. Lectures will be supplemented by practice periods in the greenhouse.

Prerequisite:—Genetics 330a.

2 Lects.; 1 Lab. per week—second term. *Professors Murray and Taper*

437. SEMINAR

Presentation and discussion of reports on assigned topics, recent work and developments in horticulture and reports on the original investigations of the students and staff.

1 period per week—both terms. *Professor Murray and Staff*

442a. FRUIT AND VEGETABLE PRESERVATION

The principles of fruit and vegetable preservation with particular attention to cold storage, canning, dehydration, and freezing.

2 Lects.; 1 Lab. per week—first term. *Professor David*

MATHEMATICS

111. PLANE TRIGONOMETRY

Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles,

addition formulae, transformations of sums and products, logarithmic solutions of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

2 Lects. per week—first term; 1 Lect. per week—second term.

Professor Henry (Institute of Education)

112. ALGEBRA

Variation, progressions, with applications to compound interest, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

1 Lect. per week—first term; 2 Lects. per week—second term.

Professor Henry (Institute of Education)

220. CALCULUS

Analytical geometry, differential and integral calculus.

3 Lects. per week—both terms. *Professor Rowles (Physics)*

330. ELEMENTARY DIFFERENTIAL EQUATIONS

An introduction to differential equations with selection applications in physical, chemical, and biological science.

1 Lect. per week—both terms. *Professor Carter (Physics)*

331. ELEMENTARY STATISTICS

An introduction to statistics including graphs, histograms, means, standard deviation, variance, normal frequency curve, probability, fitting curves to experimental data, correlation, standard error, tests of significance, etc.

1 Lect.; 1 Lab. per week—first term; 1 Lab. per week—second term.

Professor Warkentin (Physics)

DEPARTMENT OF NUTRITION

Professor	E. W. CRAMPTON
Associate Professor	L. E. LLOYD
Lecturer	E. DONEFER

430. FUNDAMENTALS OF NUTRITION

Lectures and library assignments deal with the nutrients and their metabolism. In the second term, as an alternate to the laboratory work, students, with permission, may elect to participate in one or more biological projects in which rats, puppies, guinea pigs and/or the students themselves are the experimental subjects. These projects, when offered, will be scheduled by arrangement.

2 Lects.; 1 Lab. per week—both terms.

Professors Crampton and Lloyd and Mr. Donefer

432b. APPLIED ANIMAL NUTRITION

A critical study of livestock feeding standards; a classification of feedstuffs based on their functions in rations and a consideration of their characteristics which determine their use and limit the extent of their substitution; translation of feeding standards to balanced meal mixtures; feeding guides, feed legislation.

2 Lects. per week—second term. *Professor Crampton*

433c. PROJECT. Credit—3 units. *Staff*

DEPARTMENT OF AGRICULTURAL PHYSICS

Professor WILLIAM ROWLES

Assistant Professors B. P. WARKENTIN
A. L. CARTER

112. GENERAL PHYSICS

An introductory course covering mechanics, heat, light, sound, electricity and magnetism at the first year college level. Fundamental principles are taught through demonstrations, laboratory work, and numerical examples.

3 Lects.; 1 Lab. per week—both terms. *Professor Rowles*

222. GENERAL PHYSICS

A continuation course which covers the same ground as Physics 112 but with more intensive treatment. Certain topics will receive special emphasis and additional phases of the subject will be considered.

3 Lects.; 1 Lab. per week—both terms. *Professor Carter*

333a. BIOPHYSICS

(Prerequisite to Chemistry 347b and 448b.) A study of the gas laws, osmosis, surface phenomena, electrolytic dissociation, pH, colloidal state, use of electron microscope, X-rays and radio-active rays in biology, etc.

2 Lects.; 2 Labs. per week—first term. *Professors Rowles and Warkentin*

340a. BIOPHYSICS

An abridged course covering selected parts of Physics 333a.

2 Lects.; 1 Lab. per week—first term (9 weeks only).
Professors Rowles and Warkentin

432b. METEOROLOGY

A study of the factors which condition climate and weather, etc.

1 Lect. per week—second term. *Professor Warkentin*

436a. SOIL PHYSICS

Soil texture as determined by mechanical analysis, soil moisture and its movement, soil constants and their measurement, physical properties of colloids and their effects on soil behaviour, soil structure.

1 Lect.; 1 Lab. per week—first term. *Professor Warkentin*

438. MOLECULAR AND ATOMIC PHYSICS

A discussion of kinetic theory including Maxwell's distribution law, the laws of thermodynamics, atomic structure, charge on the electron, isotopes, circular orbit theory for hydrogen, vacuum tubes, X-rays and crystal structure, radioactivity, etc. A portion of the time is devoted to laboratory work.

2 Lects. per week—both terms. *Professor Carter*

DEPARTMENT OF PLANT PATHOLOGY

Chairman of the Department, Professor	D. KEITH MCE. KEVAN
Professor	JOHN G. COULSON *(post-retirement)*
Assistant Professors	E. O. CALLEN
	R. H. ESTEY
	R. L. PELLETIER

330b. TECHNIQUE

The preparation of media; sterilization, isolation, cultural and inoculation methods. Elementary glass blowing, colorimetry, chromatography, etc. Methods of reviewing literature and preparing illustrations.

1 Lect.; 2 Labs. per week—second term. *Professor Pelletier*

331a. DISEASES OF PLANTS

A study of common diseases, with emphasis on disease expression, causation, ecology, and principles underlying disease control.

2 Lects.; 2 Labs. per week—first term. *Professor Coulson*

332b. PLANT PATHOLOGY

Detailed studies of plant diseases; distribution, economic importance, symptoms, cause, and control.

Myxomycetous, phycomycetous, ascomycetous, nematode, and non-parasitic diseases, and dodder.

(Given in 1960-61.)

2 Lects.; 2 Labs. per week—second term. *Professors Coulson and Estey*

333a. MYCOLOGY

An introductory course in the study of the fungi, emphasizing species which are common or economically important in Canada.

2 Lects.; 2 Labs. per week—first term. *Professor Estey*

434. PROJECTS

One or more problems entailing private investigation will be allotted each student.

Minimum of 2 Labs. per week—both terms. *Staff*

435. SEMINAR

A course entailing reading, discussion, appreciation, and criticism of research articles, monographs, etc., in the field of General Botany, Physiology, Cytology, Histology, Morphology, Ecology, Taxonomy, Genetics, Mycology, Pathology. Attention will be more especially directed to such articles as have application in Plant Pathology or Mycology.

1 period per week—both terms. *Staff*

436. ADVANCED PLANT PATHOLOGY

Detailed studies of plant diseases; distribution, economic importance, symptoms, cause, and control.

Basidiomycetous, fungi imperfecti, bacterial, and virus diseases.

(*Given in 1959-60.*)

2 Lects.; 2 Labs. per week—both terms. *Professors Coulson and Estey*

For other courses, see BOTANY, page 4568.

DEPARTMENT OF POULTRY HUSBANDRY

Chairman of the Department, Associate Professor N. NIKOLAICZUK

333a. GENERAL POULTRY HUSBANDRY

The general principles and practice of poultry production and marketing.

3 Lects.; 1 Lab. per week—first term. *Professor Nikolaiczuk*

339b. POULTRY PRODUCTS TECHNOLOGY

Lectures, demonstrations, and reading assignments designed to familiarize the student with composition, market quality, processing, and technology of poultry products.

1 Lect.; 1 Lab. per week—second term. *Professor Nikolaiczuk*

431. HISTORY OF BREEDS AND JUDGING

The origin, domestication, and development of the various breeds of chickens, turkeys, ducks ,and geese. Advanced practice in judging on the basis of type and colour standards.

2 Labs. per week—first term.

434b. BREEDING PRINCIPLES

The fundamental principles underlying poultry breeding.

Prerequisites:—Genetics 330a; Poultry Husbandry 431a and 333a.

2 Lects.; 1 Lab. per week—second term.

435. POULTRY FARM MANAGEMENT

Poultry farming as a business; size of business, economic aspects of capital and labour involved; farm layout and buildings; arrangement; equipment, inventories, cost accounts, and other records.

Prerequisite:—Poultry Husbandry 333a.

1 Lect.; 1 Lab. per week—both terms.

436. RESEARCH

A study of method in conducting experiments and analysis of data.

Prerequisite:—Poultry Husbandry 333a.

2 Labs. per week—both terms. *Professor Nikolaiczuk*

437. ASSIGNED PROJECTS. Credit—6 units. *Professor Nikolaiczuk*

438b. POULTRY NUTRITION

A study of the composition of feeds, balanced rations, and feeding practice as applied to the production of poultry.

Prerequisite:—Poultry Husbandry 333a or equivalent. (*Given in 1960-61.*)

2 Lects.; 1 Lab. per week—second term. *Professor Nikolaiczuk*

SOCIOLOGY

430c. INTRODUCTION TO SOCIOLOGY

An examination of the patterns of our society, with emphasis on group relationships. The course covers a general introduction to sociological theory, the social development of the individual, ethnic and class groupings, characteristics of urban and rural life, social change and institutional structures. *Elective.*

3 Lects. per week—either term. *Mrs. MacFarlane*

DEPARTMENT OF WOODLOT MANAGEMENT

Lecturer A. R. C. JONES

330a. WOODLOT MANAGEMENT

Principal trees of Eastern Canada; classification of forest regions, types and stands; use of chain, compass and sample plots in forest inventories; volume measurements of trees, logs and woodlot products; silvicultural cutting methods to improve and perpetuate the woodlot; study of growth; calculation of allowable cut for sustained yield; plantation techniques and improvements; woodlot protection; demonstration of mechanical cutting tools; management plans and records; marketing possibilities.

1 Lect.; 1 Lab. per week—first term. *Mr. Jones*

ZOOLOGY

220. GENERAL ZOOLOGY

An introduction to animal structure, physiology, and classification. Representatives of the chief phyla are studied and used to introduce some of the general principles of Zoology.

2 Lects.; 2 Labs. per week—both terms.

Professor Kevan (Entomology) and Staff

332b. ZOOLOGICAL TECHNIQUE

The preparation of histological slides and the technique of making scientific illustrations.

Students taking the Entomology course may be required to take that part of course Plant Pathology 330b which deals with photography and the use of the microscope.

2 Labs. per week—second term. *Professor McFarlane (Entomology)*

431. COMPARATIVE VERTEBRATE ANATOMY

A general course on vertebrate morphology, comparative anatomy and evolution.

(Given in 1959-60.)

2 Labs. per week—both terms; 2 Lects. per week—second term.

Professor Bigelow (Entomology)

432. ECONOMIC INVERTEBRATE ZOOLOGY

An introduction to the study of invertebrates of economic importance with special reference to veterinary and medical aspects and the occurrence of animal and plant diseases due to animal pathogens and vectors.

(Given in 1960-61.)

1 Lect.; 1 Lab. per week—first term; 2 Lects.; 2 Labs. per week—second term. *Professor Kevan (Entomology)*

EXAMINATIONS

B.Sc. (AGR.) AND B.Sc. (H.Ec.) COURSES

All students are required to give satisfactory evidence of mastery of the material of lecture and laboratory. Examinations are held at the end of the first term in First and Second years, and at the end of each course in all years. In final examinations the mark assigned represents the standing of the student in all the work of the course. Marks for seminars, projects, purely laboratory and similar courses may be assigned wholly or in part on the year's work.

First year students who obtain an average of less than 40 per cent in the first term examinations may be advised by Faculty not to continue with the work of the second term.

In all other years, standing of all students as shown by the results of first term examinations is critically reviewed by Faculty, which may require the withdrawal of any student whose average mark is less than 50%.

Examination in any subject may be refused because of absence without accepted excuse from one or more classes in the subject. See page 4524.

Students who are allowed to repeat a year do so on probation. Students whose work or conduct proves unsatisfactory may also be placed on probation involving loss of certain privileges. The type of probation will vary with individual cases.

ADVANCEMENT FROM YEAR TO YEAR

In the First and Second years any student who fails to obtain an average of at least 50% based on all courses of the year, or who fails in courses of the year's work to an aggregate value of more than 18 units, will be required to repeat the year. A student in these years who fails courses of the year's work to an aggregate value of 18 or less units, and whose average is at least 50%, must, in order to advance to the following year, write supplemental examinations in all failed courses during the September supplemental examination period prior to his re-registration in the Faculty. A student who fails in English 114 (Composition) is required to repeat the course.

No student may enter the Second year carrying a condition in more than one First year course, and no student may enter the Third year until he has passed in all courses of the First and Second years.

Any Third year student who fails to obtain an average of at least 50%, based on all the courses of that year, will be required to repeat the year. No student will be admitted to the Fourth year who has not passed Third year work to the value of at least 30 units. Students who fail Third year

courses must write supplemental examinations in all failed courses at the September supplemental period prior to registration in the Fourth year.

A student who is allowed to repeat a year may be exempted from attending lectures and laboratory classes and passing examinations in subjects in which he has already passed and obtained at least 60%, and may be required to take one or more subjects of the following year in his course. The choice of subjects must involve no conflict of hours in the timetable.

No supplemental examination is allowed in repeated courses.

If a student fails in a course which he has taken with a more advanced class he must repeat the course when he enters the year in which the subject is regularly taught.

PASS AND HONOUR STANDING

HONOUR STANDING:—Students who have obtained an average of at least 60 per cent in the work of the first two years, and who obtain an average of 80 per cent or over, based on all the courses of their Third and Fourth years, are granted First Class Honours on graduation; those who obtain an average of from 65 to 79 per cent, based on all the courses of their Third and Fourth years, are granted Second Class Honours. Students who have obtained an average of less than 60 per cent in the work of the first two years are not eligible for Honours.

PASS STANDING:—Students who obtain an average of not less than 50 per cent, based on all the courses of their Third and Fourth years, are granted Pass Standing.

SUPPLEMENTAL EXAMINATIONS

Regular supplemental examinations are held in September before the beginning of the session; however, a student who is prevented by illness from writing at the regular supplemental period may apply for special examinations to be held at a later date.

A student who fails to pass a supplemental examination must repeat the course.

Candidates for a supplemental examination must make application for the examination at least three weeks prior to the examination date on forms available in the Registrar's Office. The fee is $2.00 per paper.

The student passing a supplemental examination will be credited on his record with the minimum pass mark, i.e. 50%.

AGRICULTURE SPECIALIST TEACHER'S CERTIFICATE

Holders of the B.Sc.(Agr.), in the General Agriculture, Agronomy, Animal Husbandry, Poultry Husbandry, Horticulture or Agriculture Engineering options may enroll for a year of postgraduate study under the direction of the Institute of Education to qualify for the Agriculture Specialist Teacher's Certificate granted by the University. Such a training will complete the requirements for the High School Diploma of the Province of Quebec and will include special training and teaching practice relative to the Agricultural Sciences.

There are openings for qualified teachers trained in agricultural science in the High Schools of Quebec and other provinces. As well as teaching agriculture, many appointments will require the teaching of other subjects including general specialized science, shop work and farm mechanics. Consequently candidates for the Specialist Teacher's Certificate receive training in general teaching as well as in their special subject areas. In addition to the academic and professional courses offered, an excellent program of supervised practice teaching gives candidates the opportunity of becoming familiar with the work of the schools. Candidates should have an interest in agriculture, an appreciation of rural life, some practical experience in farming, and a genuine interest in working with high school children.

The charge for the tuition is $250.00, and other charges for room and board and for student activities are the same as for students in the Institute of Education. Application for admission should be sent to the Registrar, Macdonald College, Que.

CURRICULUM

ENTRANCE REQUIREMENT:—B.Sc.(Agr.), in the General Agriculture, Agronomy, Animal Husbandry, Poultry Husbandry, Horticulture, or Agriculture Engineering options.

COURSES IN THE INSTITUTE OF EDUCATION

Division One — English 225—Modern Literature (if not completed during the B.Sc.(Agr.) course), terminal courses in English and French.

Division Two — Education 100, Education 200—History of Education in Western Society, Education 401G—Graduate Seminar.

Division Three — Education 110—Method of instruction, Education 210—The Child at School.

Division Four — Education 120—General Teaching Practice.

GRADUATE COURSES

Graduate work, under the Faculty of Graduate Studies and Research, McGill University, Montreal, may be taken at Macdonald College, in Agronomy, Bacteriology, Chemistry, Entomology, Horticulture, Nutrition (Animal, Human), Parasitology, Poultry Husbandry (Nutrition or Breeding and Genetics), and Plant Pathology. The advanced courses of study offered lead to the degrees of Master of Science and Doctor of Philosophy.

Graduates who have completed three full courses or their equivalent in the Department of Economics at Macdonald College and who, in addition, have completed at least two full courses in the Department of Economics and Political Science or their equivalent with at least second class honours, may register in the Faculty of Graduate Studies and Research to proceed toward the degree of Master of Arts.

A number of scholarships and student assistantships are available.

The Faculty of Graduate Studies and Research issues an Announcement giving full information regarding graduate courses, and scholarships, theses, registration, etc., in connection therewith, which will be sent on application to the Dean of the Faculty of Graduate Studies and Research, McGill University, Montreal or to the Dean of the Faculty of Agriculture, Macdonald College, Que.

Diploma Course

This is a two-year course of five months' duration in each year commencing about November 1st, and finishing about March 31st. It affords a special opportunity of spending one or two winter seasons in studying Agriculture, and the time is selected with a view to interfering as little as possible with farm operations. It is intensely practical in character and is designed with the following objects in mind:—To give the largest amount of information and training in practical agriculture in the shortest possible time; to equip the student for solving his future problems; to awaken him to the many opportunities on the farm; to give him an inspiration in his agricultural work; and to enable him to fill a more useful place in rural citizenship.

The work of the first year is taken by all students in common; in the second year a student may choose subjects that have to do either with livestock farming or fruit farming. A diploma is granted to each student who completes the two years' work successfully.

DIPLOMA COURSE ENTRANCE

1. For General Requirements, see page 4533.

2. All candidates for admission to the Diploma Course must have passed their seventeenth birthday, must be able to read and write the English language acceptably, be proficient in the use of arithmetic, and demonstrate a practical knowledge of farm operations.

SYLLABUS

Diploma Course

	Course Numbers	Unit Value	Periods per week		Term Given
			Lects.	Labs.	
FIRST YEAR					
Agricultural Engineering:—					
Farm Machinery	1a	3	2	1	First
Farm Construction	2b	3	1	2	Second
Agriculture	1	2	1	..	Both
Agronomy:					
Soils and Soil Management	1a	3	3	..	First
Hay and Pasture Crops	3b	3	2	1	Second
Corn and Root Crops	5b	3	3	..	Second
Animal Husbandry	1	8	2	2	Both
Bacteriology	1b	2	1	1	Second
Botany	1a	3	2	1	First
Chemistry	1b	3	2	1	Second
English	2	6	3	..	Both
Entomology	3a	3	2	1	First
Farm Forestry	1a	3	1	2	First
Horticulture	4	4	1	1	Both
Mathematics	1	4	1	1	Both
Poultry Husbandry	1	6	2	1	Both
SECOND YEAR Livestock Farming Group					
Agricultural Engineering:—					
Land Drainage and Farm Sanitation	6a	4	2	2	First
Farm Shopwork	7b	3	1	2	Second
Agronomy:—					
Crop Management	7b	3	2	1	Second
Grain Crops	9a	3	2	1	First
Animal Husbandry:—					
Farm Live Stock	6	8	2	2	Both
Live Stock Breeding	7b	2	2	..	Second
Animal Nursing	6b	3	2	1	Second
Dairying	6b	4	2	2	Second
Economics:—					
Economic Problems	7a	3	3	..	First
Farm Accounts and Management	8a	4	3	1	First
English	7	4	1	1	Both
Nutrition	6a	2	2	..	First
Physics	6a	3	1	2	First
Poultry Husbandry	6b	3	2	1	Second
Project	6	4	..	2	Both
SECOND YEAR Fruit Farming Group					
Agricultural Engineering:—					
Land Drainage and Farm Sanitation	6a	4	2	2	First
Farm Shopwork	7b	3	1	2	Second
Agronomy (Elective)	7b	3	2	1	Second
Economics:—					
Economic Problems	7a	3	3	..	First
Farm Accounts and Management	8a	4	3	1	First
English	7	4	1	1	Both
Horticulture:					
Vegetable Gardening	6	8	2	2	Both
Ornamental Gardening	7a	3	2	1	First
Fruit Growing	8	8	2	2	Both
Physics	6a	3	1	2	First
Plant Pathology	6b	3	2	1	Second
Poultry Husbandry	6b	3	2	1	Second
Project	6	4	..	2	Both

DESCRIPTION OF DIPLOMA COURSES

AGRICULTURAL ENGINEERING

1a. FARM MACHINERY

(a) A study of the gas engine as applied to stationary purposes, the automobile, and the tractor.

(b) Implements and Machinery. The use and adjustments of tillage and harvesting machinery.

2 Lects.; 1 Lab. per week—first term. *Professors Cooper and Malloch*

2b. FARM CONSTRUCTION

(a) Farmstead planning including the arrangement of the various buildings, the planning of houses and barns; fences and fencing.

(b) Carpentry and concrete work.

1 Lect.; 2 Labs. per week—second term.

Professors Banting and Malloch

6a. LAND DRAINAGE

Farm ponds; the water table and its control; surface drains and underdrainage, irrigation. Farm Sanitation: water supplies and water systems, methods of sewage disposal.

2 Lects.; 2 Labs. per week—first term. *Professor Banting*

7b. FARM SHOPWORK

Blacksmithing, rope splicing, soldering, gas and electric welding.

1 Lect.; 2 Labs. per week—second term. *Professor Cooper*

Text Book:—Jones—Farm Shop Practice.

AGRICULTURE

1. A general course in Agriculture designed to give the student a proper conception of farming as an occupation and an appreciation of some important considerations in the selection and operation of farms.

1 Lect. per week—both terms. *Professor Hamilton*

AGRONOMY

1a. SOILS AND SOIL MANAGEMENT

Classes of soil, tillage, rotation, manuring, fertilizers, liming, drainage, etc., will be studied with a view to enabling the student to manage the soil on his own farm to best advantage.

3 Lects. per week—first term. *Professor Bubar*

3b. HAY AND PASTURE CROPS

These crops will be studied from the standpoints of their importance, varieties, culture, and management.

2 Lects.; 1 Lab. per week—second term. *Professor Bubar*

5b. CORN AND ROOT CROPS

As with Hay and Pasture Crops.

3 Lects. per week—second term. *Mr. Keeler*

7b. CROP MANAGEMENT

Factors determining the crops to grow, cropping schemes for typical situations in Eastern Canada. Fertilizers and seed will be given further attention in this course.

2 Lects.; 1 Lab. per week—second term. *Professor Steppler*

9a. GRAIN CROPS

As with Hay and Pasture Crops.

2 Lects.; 1 Lab. per week—first term. *Professor Klinck*

ANIMAL HUSBANDRY

1. FARM LIVESTOCK

Commercial types and classes of farm stock, their care and management, feeding, breeding, and judging.

2 Lects.; 2 Labs. per week—both terms.

Professors Hamilton and Moxley

6. FARM LIVESTOCK

A continuation of course 1, but dealing particularly with purebred stock.

2 Lects.; 2 Labs. per week—both terms.

Professors Hamilton and MacDonald

7b. LIVESTOCK BREEDING

In this course the more important basic principles underlying breeding practice are considered. Selection of breeding animals is studied in the light of what is known in regard to reproduction, transmission of characters, heredity, and environment.

2 Lects. per week—second term. *Professor Moxley*

ANIMAL NURSING

6b. The course covers situations usually encountered by farm managers and herdsmen.

2 Lects.; 1 Lab. per week—second term. *Professor Dale*

BACTERIOLOGY

1b. AGRICULTURAL BACTERIOLOGY

Bacteria in relation to water, sewage, milk, and soil fertility; fermentations, food preservation and food poisoning.

1 Lect.; 1 Lab. per week—second term. *Professor Knowles*

BOTANY

1a. AGRICULTURAL BOTANY

The course consists of a study of the fundamentals of growth and reproduction processes in plants. The botany of economic plants will be studied as much as possible and consideration given to weeds and weed seeds and their control.

2 Lects.; 1 Lab. per week—first term. *Professor Pelletier*

CHEMISTRY

1b. Elementary Chemistry, with applications to soils, fertilizers, feeding stuffs, and insecticides and fungicides.

2 Lects.; 1 Lab. per week—second term. *Mr. Henneberry*

DAIRYING

6b. A study of the composition of milk, the production of quality milk on the farm, pasteurization, butter and cheese processes. Testing dairy products, separating milk, butter and cheese making.

2 Lects.; 2 Labs. per week—second term. *Professor Anastassiadis*

ECONOMICS

7a. INTRODUCTION TO THE ECONOMICS OF CANADIAN AGRICULTURE

Science and economics. Nature of the Canadian economy. The place of agriculture in the Canadian economy. Land use and tenure in Canada. The production, marketing, and consumption of farm products in Canada—principles, products, and problems. One lecture period each week will be used as a discussion period.

3 Lects. per week—first term. *Professor MacFarlane*

8a. FARM ACCOUNTS AND FARM MANAGEMENT

A system of single entry farm accounts involving inventories, cash receipts and expenses; a system of production records; the analysis of farm account and production records as a means of improving efficiency of production; farm income tax. A study of the economic guides to farm

management decisions. A farm visit followed by (1) detailed study of the farm visited, and (2) the development of alternative farm management plans using the budget method.

3 Lects.; 1 Lab. per week—first term. *Professor Haver*

ENGLISH

The students will be divided into a Senior and a Junior Group according to their attainments in English Speech and Literature:—

2. Literature, written composition, and public speaking are included in the course.

3 Lects. per week—both terms. *Mr. Meir*

7. Lectures and laboratory work include a supervised reading course; instruction in practical forms of writing, the conduct of public meetings, and debating and discussion methods.

1 Lect.; 1 Lab. per week—both terms. *Professor Avison*

ENTOMOLOGY

3a. An elementary treatment of the structure, habits, classification, and control of insects.

2 Lects.; 1 Lab. per week—first term. *Professor Morrison*

FARM FORESTRY

1a. Principal trees of Eastern Canada and their silvicultural characteristics; woodlot protection; requirements of good forest communities. Volume estimates of trees, logs and pulpwood, measurement of lumber; use of compass and pacing in woodlot cruising; calculation of annual cut; cutting methods as applied to even and uneven-aged forests; cultural measures to improve the woodlot; logging practices; reforestation, windbreaks and Christmas tree crops; marketing of products; management of maple groves.

1 Lect.; 2 Labs. per week—first term. *Mr. Jones*

HORTICULTURE

4. GENERAL HORTICULTURE

A course dealing with the principles of farm horticulture, including the home garden, the propagation of plants, seed sowing, the improvement of the home surroundings, the farm orchard, and small fruits plantations.

1 Lect.; 1 Lab. per week—both terms. *Professor Murray and Staff*

6. VEGETABLE GARDENING

The production of vegetables with reference to climate, soils, fertilizers, seeds, spraying, harvesting, grading, packing, storage, marketing, and processing, with practical instruction in the greenhouse and laboratory throughout the course.

2 Lects.; 2 Labs. per week—both terms.

Professors Murray and David

7a. ORNAMENTAL GARDENING

Foundation planting; choice and care of ornamental trees, shrubs, vines and flowers for the home grounds, and the making and care of lawns. Some instruction will be given in commercial floriculture.

2 Lects.; 1 Lab. per week—first term. *Miss Harney*

8. FRUIT GROWING

A practical study of orchard and small fruit production, including propagation, soils, fertilizers, culture, and other related phases, including spraying, harvesting, marketing, processing, and storage. One lecture per week during the second term will be used for complementary work on cold storage, by-products, etc.

2 Lects.; 2 Labs. per week—both terms. *Professors Taper and David*

MATHEMATICS

1. A review of elementary arithmetic; decimals, percentage, ratio and proportion, mensuration; agricultural problems.

1 Lect.; 1 Lab. per week—both terms. *Professor Banting*

NUTRITION

6a. FEEDS AND FEEDING

A study of common animal feedingstuffs and of their use in livestock feeding.

2 Lects. per week—first term. *Professor Lloyd*

PHYSICS

6a. An elementary course dealing with the fundamental principles of Physics and their application in agricultural practice.

1 Lect.; 2 Labs. per week—first term. *Professor Carter*

PLANT PATHOLOGY

6b. PLANT DISEASES

Studies of important plant diseases in horticultural crops, including losses, symptoms, cause, and spread.

2 Lects.; 1 Lab. per week—second term. *Professor Callen*

POULTRY HUSBANDRY

1. PRODUCTIVE POULTRY HUSBANDRY

The elements of poultry production and marketing applicable to general farm use. A study is made of the various breeds of chickens, ducks, geese, and turkeys and their general management through a complete production cycle.

2 Lects.; 1 Lab. per week—both terms. *Professor Nikolaiczuk*

6b. POULTRY MANAGEMENT PROBLEMS

The economic significance of the various factors influencing production returns on the basis of poultry management.

2 Lects.; 1 Lab. per week—second term.

PROJECT

6. Second year students are required to submit a project in the form of an essay and a questionnaire to be handed in not later than March 15th. The project work will comprise outlining in detail the present organization of a farm business and the crop and livestock practices used on the farm. This will include actual or carefully estimated farm costs, farm returns, and net income which might be expected under normal conditions from the present farm business. It will also comprise the development of an alternate farm plan aimed at improving the productivity and income of the farm. This will include a careful appraisal of the costs involved and a statement as to how and when the proposed changes are to be made. An analysis of the proposed plan indicating its advantages together with a compilation of the costs, returns, and net income, which might normally be expected during one year's operation under average conditions, is also required.

Questionnaire forms for organizing the necessary farm facts will be distributed before the close of the First year. They must be filled in during the summer and submitted as a part of the project.

2nd Yr.:—The equivalent of 2 labs., per wk., both terms.

Supervising Committee:—*Professor Hamilton (Chairman), Professors Cooper, MacFarlane, and Nikolaiczuk*

DIPLOMA COURSE EXAMINATIONS

All students are required to give satisfactory evidence of mastery of the material of lecture and laboratory. Examinations are held at the end of the first term in all courses given and at the end of each course. The examiner will pass in to the Registrar the final mark giving the standing of each student in all the work of the course.

The pass mark in all examinations is 40 per cent. First Class standing is 75 per cent and over, Second Class standing is 60 to 74 per cent, Pass standing is 40 to 59 per cent.

For purposes of evaluation a full course consists of two lectures and two laboratory periods per week for one term or its equivalent and is rated at 4 units. One lecture equals one laboratory period. More or less than full courses are rated proportionately. Students failing in papers of an aggregate value of 10 units or less are required to write supplemental examinations in those subjects. Students failing in papers having an aggregate value of more than 10 units are considered as having failed in the year's work.

Students who fail in the First year of the Diploma Course in Agriculture are not permitted to repeat the year, except by special action of the Faculty.

A student who is allowed to repeat a year may, by special permission, be exempted from attending lectures and passing examinations in one or more subjects in which he has already passed creditably and be required to take one or more subjects of the following year in his course. The choice of subjects must involve no conflict of hours in the time table.

Examination in any subject may be refused because of absence without accepted excuse from one or more classes in the subject. See page 4524.

REGULAR SUPPLEMENTAL EXAMINATIONS

A regular supplemental examination is a first supplemental examination in a subject.

Regular supplemental examinations are held immediately preceding the opening of lectures in October, and following the sessional examinations in the spring.

A first supplemental examination in a subject, not involving the preparation of a special paper, may also be arranged in conjunction with the regular sessional examinations.

SPECIAL SUPPLEMENTAL EXAMINATIONS

Supplemental examinations taken at other times than those appointed, and supplemental examinations taken subsequent to a first supplemental examination, are special supplementals and must be arranged with the Registrar.

Every candidate for either a regular or a special supplemental examination is required to fill out an application form for such examination and to return it with the necessary fee ($2.00 per paper) at least three weeks before the examination begins. Application forms may be obtained from the Registrar.

No student writing a supplemental examination in a subject shall be granted marks higher than the required pass mark—i.e., 40%.

ADVANCED DIPLOMA COURSE

Students who obtain at least high second-class standing in each year of the Diploma Course, may continue for a further year. For admission to the Third year the candidate's application and schedule of courses and any revision thereof must receive the approval of the Faculty.

The course is intended for those who do not desire a degree but are anxious to extend their educational equipment beyond the two-year course and to train themselves for the responsibilities of rural leadership. It is designed to permit those of good ability and some maturity to pursue a course where more emphasis is placed upon private study and individual effort than is possible during the first two years, when lectures and classroom exercises consume the bulk of the student's time.

During the session, which, for the Advanced Diploma Course, dates from the opening of the Degree Course, the student's time is divided between assigned studies, projects, and departmental work. His curriculum includes reading, preparing reports, writing essays, and course work.

The course is not rigidly prescribed and is intended to be of a broad and general character. Nevertheless, it provides opportunity for the student to pay special attention to those phases of agriculture in which he is particularly interested. The courses taken will be selected from those listed below, but the student may be permitted to attend others which may be of value to him. The courses will be selected in consultation with the Chairman of the Diploma Course Committee.

At the end of his course of study, the student will submit himself to examinations in the individual courses taken when required, and to a series of comprehensive examinations in practical and scientific agriculture, written and oral, set by a Board of Examiners appointed for the purpose.

An Advanced Diploma in Agriculture may be awarded at the completion of the year's work or may be withheld until the student has demonstrated the necessary capacity in the work undertaken.

Only a limited number of students will be accepted each year.

Courses may be chosen from the following list, supplemented, if desired, by others approved by the Faculty:—

AGRICULTURAL ENGINEERING:—333a, 334b, 431b, 432b.

AGRONOMY:—343, 436b.

ANIMAL HUSBANDRY:—330a, 334b, 335b, 441b.

BOTANY:—330b.

ECONOMICS:—*220b, 330b, 331b, 332a.

ENGLISH:—*114, *226.

ENTOMOLOGY:—434b.

EXTENSION METHODS:—330.

HORTICULTURE:—338a, 339b, 343a, 344b, 431.

PLANT PATHOLOGY:—331a.

POULTRY HUSBANDRY:—333a, 431a, 435, 438b.

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*The courses marked with an asterisk are required and examinations must be taken in them.

B.Sc. (H.Ec.) Course

This is a four year professional course for women leading to the degree of Bachelor of Science in Home Economics. The training enables the graduate to undertake positions in many of the different branches of Home Economics, including dietetics and the teaching of Home Economics in schools.

Students who wish to qualify for a teaching certificate in Home Economics must decide before entering the Fourth year, since this specialist training is given during the last year. Properly qualified students may be granted an Interim First Class Certificate (Home Economics Division) for teaching Household Science subjects, on graduation. This certificate is granted by the Protestant Central Board of Examiners of the Province of Quebec and only those students who may legally teach in the Protestant Schools of this Province should attempt to qualify for this certificate. Those desiring to apply for the certificate will be required to observe and teach in the elementary and secondary schools of the province for periods of time totalling not less than five weeks. It may be necessary to limit the number of students in the teaching option.

The practice of dietetics is the assuming of responsibility for the production of food in hospitals, institutions, and commercial restaurants, and opportunities to observe and practise kitchen administration are provided in the dining room of the staff residence at "Glenaladale" and in the main kitchen and cafeteria. Further training is offered by hospitals and commercial institutions after graduation.

The course also includes training in home management in a model house (the Stewart Home Management House), which is located on the campus. Here students live together, under supervision, and are responsible for all the household routines.

The four year course in Home Economics prepares students for professional careers as dietitians, home economics teachers, nutritionists, extension workers with government services, home economists in home service bureaus, and many other positions. In addition, it provides a general university education, and is of incomparable value as a background for homemaking.

CLASSES OF STUDENTS

1. *Regular Undergraduates* are students with complete matriculation qualifications and who are taking the regular work of their year toward the appropriate degree or diploma.

2. *Limited Undergraduates* are students with normal entrance qualifications but who, due to ill health or other circumstances, do not fit into the regular classification of years (first, second, etc.) and who may be unable to complete their work in the normal length of time.

3. *Partial Students* are those not proceeding to a degree or diploma, including those doing a qualifying year for graduate work, or those earning credits for transfer to another faculty or institution.

ENTRANCE REQUIREMENTS

1. General Entrance requirements have been set out on page 4533.

2. Academic requirements: Admission is at the discretion of a faculty committee. The Committee accepts as a general standard the McGill School Certificate. The minimum requirement for consideration under this Certificate is that the candidate must have passed (obtained 50 per cent or more) in each of the subjects specified below, with a minimum of 10 papers. An average standing of not less than 60% in the 10 papers is required.

Papers	Required Subjects
1	English Literature
1	English Composition
1	History
1	Elementary Algebra
1	Elementary Geometry
	plus the following
1	One of Physics, Chemistry, or Biology
2	Two papers (i.e. Oral and Written or Grammar and composition in one of French, Latin, German, Spanish
2	Two additional papers chosen from (a) the foreign language not already chosen (b) the sciences not already chosen, i.e., Physics, Chemistry, Biology (c) Intermediate Algebra, Trigonometry, Geography, North American Literature, Household Science, Art or Music.
10	

The following certificates are accepted in lieu of the McGill Junior School Certificate provided:

1. The certificate has been obtained under no easier conditions than those applying to the McGill Junior School Certificate; and

2. The subjects presented and the average standing obtained on such certificates conform generally to those listed above for the McGill Junior School Certificate:

Quebec: The High School Leaving Certificate
The Catholic High School Leaving Certificate

Ontario: Grade XII Certificate (including a statement of marks received in both Grades XI and XII)

British Columbia and New Brunswick: Junior Matriculation

Alberta, Manitoba, Newfoundland, Nova Scotia and Saskatchewan: Grade XI Certificate

Prince Edward Island: Second Year Certificate of Prince of Wales College

United States: Certificates issued by the College Entrance Examination Board

United Kingdom: For the General Certificate of Education, a minimum of passes in five acceptable subjects at the Ordinary level, including English and Mathematics; for the School Certificate, credit or higher standing in at least five acceptable subjects including English, Mathematics, a foreign language

Students intending to enter by certificate should in no circumstances come to the College without having obtained from the Registrar a statement of the value of the certificates they hold.

Students with incomplete requirements may obtain standing in subjects included in the McGill School Certificate by writing McGill examinations.

A candidate may be admitted to the Second year if (1) she has completed all requirements for entrance to the First year and (2) has written and passed with acceptable standing the required papers of the McGill Senior School Certificate Examination. These are:

English Literature
English Composition
Algebra
Trigonometry
Physics
Chemistry
Biology or a foreign language

Students without equivalent standing for Botany are required to take Botany 110 as an extra course in the Second year. First year or Senior Matriculation Biology, or a foreign language, will be accepted in lieu of Botany 110.

The following certificates are accepted in lieu of the McGill Senior School Certificate:

Quebec: Senior Quebec High School Leaving Certificate
Senior Catholic High School Leaving Certificate

Ontario: Grade XIII Certificate

Alberta, Manitoba, Nova Scotia and Saskatchewan: Grade XII Certificate

Prince Edward Island: Third Year Certificate of Prince of Wales College

British Columbia: Senior Matriculation Certificate

United Kingdom: For the General Certificate, passes in five subjects at Ordinary Level, plus Physics and Chemistry at Advanced Level.

APPLICATION FOR RESIDENCE ACCOMMODATION

See under "Residence", page 4521.

SYLLABUS

B.Sc.(H.Ec.) Course

SUBJECTS	Course Numbers	Unit Value	Periods per week		Term Given
			Lects.	Labs.	
FIRST YEAR					
Art:—					
Art Appreciation	110a	2	1	1	First
*Botany:—					
Introductory Botany	110	8	2	2	Both
Chemistry:—					
Inorganic Chemistry	110	10	3	2	Both
English:—					
Composition	114	4	1	1	Both
Literature	116	4	2	..	Both
Household Science:—					
Introduction to Household Science	110a	2	2	..	First
Mathematics:—					
Plane Trigonometry	111	3	2	..	First
	..	..	1	..	Second
Algebra	112	3	1	..	First
	..	..	2	..	Second
Physics:—					
General Physics	112	8	3	1	Both
Physical Education	10	Minimum 2 hours weekly			
Textiles:—					
Laundering	110b	3	2	1	Second
SECOND YEAR					
Art:—					
Interior Decoration	220b	2	1	1	Second
Chemistry:—					
Organic Chemistry	220	10	3	2	Both
Clothing:—					
Clothing Selection	220a	2	2	..	First
**English:—					
Modern Literature	225	4	2	..	Both
or					
Speaking and Writing	226	4	2	..	First
		..	1	1	Second
Foods and Cookery:—					
Basic Cookery	226	10	2	3	Both
Household Administration	220	3	1	..	First
		..	1	1	Second
Nutrition:—					
Elementary Nutrition	220b	2	2	..	Second
Textiles:					
Fibres and Fabrics	220	4	2	..	Both
Zoology:—					
General Zoology	220	8	2	2	Both

*First year or Senior Matriculation Biology, or a foreign language, will be accepted in lieu of Botany 110.

**Second year students must take either English 225 or English 226.

See also elective courses in French and History, page 4576-7.

SYLLABUS

B.Sc. (H.Ec.) Course

SUBJECTS	Course Numbers	Unit Value	Periods per week		Term Given
			Lects.	Labs.	
THIRD YEAR					
Bacteriology:—					
General and Food Bacteriology	331a	4	2	2	First
Chemistry:—					
General Biochemistry	332a	4	2	2	First
Physiological Chemistry	347b	4	2	2	Second
Child Psychology (elective)	331c	3	3	..	Either
Clothing:—					
Principles of Construction	330	3	..	1	First
				2	Second
Economics:—					
Elementary Principles	220b	3	3	..	Second
Economic Analysis	333	6	3	..	Both
Foods and Cookery:—					
Advanced Cookery	332	5	1	1½	Both
Food Values	333a	2	1	1	First
Food Selection	335	2	1	..	Both
Home Economics Education:—					
Educational Psychology	330c	3	3	..	Either
Household Administration:—					
Home Management	331c	4	1		First
				3	Either
Physics:—					
Biophysics	340a	2	1	1	First
Physiology:—					
Elementary Physiology	330b	3	3	..	Second
Sociology (elective)	340c	3	3	..	Either
Elective:—(to be chosen from any non-compulsory course)	..	3	..	..	Either
FOURTH YEAR					
Teaching Option					
Chemistry:—					
Textile Chemistry	450a	2	1	1	First
Chemistry of Foods and Feeding Stuffs (elective)	451a	4	2	2	First
Clothing:—					
Advanced Clothing	440	6	..	3	Both
Home Economics Education:					
General Educational Practice	411	3	2	..	First
		..	1	..	Second
Methods of Instruction	440a	4	4	..	First
Principles of Group Education	442c	2	..	2	Either
Observation and Practice Teaching	443	4	1	1	Both
Problems in Home Economics Education	453	1	1	..	Both
Institution Administration:—					
Institution Practice	441a	1	1	..	First
Nutrition and Dietetics:—					
Fundamentals of Nutrition	430	6	2	1	Both
Nutrition Seminar	444b	2	2	..	Second
Dietetics Option					
Clothing	441	4	..	2	Both
Home Economics Education:—					
Principles of Group Education	442c	3	..	3	Either
Foods and Cookery:—					
Experimental Cookery	434a	3	1	2	First
Institution Administration:—					
Institution Practice	441	2	1	..	Both
Food Production	442a	2	2	..	First
Institutional Cost Accounting	443a	2	2	..	First
Personnel Management	444a	2	2	..	First
Kitchen Organization	445b	3	3	..	Second
Nutrition and Dietetics:—					
Fundamentals of Nutrition	430	6	3	..	Both
Diet Therapy	441	6	2	..	First
		..	3	1	Second
Nutrition Seminar	444b	2	2	..	Second

DESCRIPTION OF COURSES

ART

110a. ART APPRECIATION

A study of the main periods in Art and the influence of Art in modern society.

1 Lect.; 1 Lab. per week—first term.

Miss Jaques (*Institute of Education*)

220b. INTERIOR DECORATION

A study of domestic architecture, period furniture, colour theory, harmony, and planning of interiors, with special emphasis on institutions and food service areas. History of painting, with special attention to the moderns.

1 Lect.; 1 Lab. per week—second term.

Miss Jaques (*Institute of Education*)

BACTERIOLOGY

331a. BACTERIOLOGY

A course in general and food bacteriology.

2 Lects.; 2 Labs. per week—first term.

Text Book:—Krueger, Principles of Microbiology.

BOTANY

110. INTRODUCTORY BOTANY

See page 4568 for description of course.

2 Lects.; 2 Labs. per week—both terms. *Professor Callen*

CHEMISTRY

110. INORGANIC CEHMISTRY

See page 4569 for description of course.

3 Lects.; 2 Labs. per week—both terms. *Mr. Henneberry*

220. ORGANIC CHEMISTRY

See page 4569 for description of course.

3 Lects.; 2 Labs. per week—both terms. *Professor Baker*

332a. GENERAL BIOCHEMISTRY

See page 4569 for description of course.

2 Lects.; 2 Labs. per week—first term. *Professor Common*

347b. PHYSIOLOGICAL CHEMSITRY

See page 4570 for description of course.

Prerequisites: Chemistry 332a and Physics 340a.

2 Lects.; 2 Labs. per week—second term. *Professor Common*

450a. TEXTILE CHEMISTRY

A study of the physical and chemical structure of textile fibres to explain their behaviour under wear conditions.

Prerequisite: Textiles 220

1 Lect.; 1 Lab. per week—first term. *Professor Jenkins*

451a. CHEMISTRY OF FOODS AND FEEDING STUFFS

See page 4571 for description of course. *Elective.*

2 Lects.; 2 Labs. per week—first term.

Professor Common and Dr. Anastassiadis

CLOTHING

220a. CLOTHING SELECTION

History of costume; principles of design as applied to dress; fabrics used for clothing; wardrobe planning with student demonstrations.

2 Lects. per week—first term. *Professor Jenkins*

330. PRINCIPLES OF CLOTHING CONSTRUCTION

Three garments are made, one each of cotton, wool, and rayon.

1 Lab. per week—first term; 2 Labs. per week—second term.

Professor Jenkins

440. ADVANCED CLOTHING

An advanced course in dressmaking and costume design including pattern making and tailoring. Experience in weaving is arranged in May of each year for Third year students who plan to enroll in the Teaching Option in the Fourth year. These students remain for two weeks after the final examinations. A fee of $8.00 is charged to cover the cost of materials.

3 Labs. per week—both terms. *Professor Jenkins*

441. DRESS DESIGN AND TAILORING

The theory of garment design. Pattern drafting and the production of garments from the drafted pattern. Tailoring.

2 Labs. per week—both terms. *Elective.* *Professor Jenkins*

ECONOMICS

220b. ELEMENTARY PRINCIPLES

See pages 4571-2 for description of course.

3 Lects. per week—second term.

330b. MARKETING OF FARM PRODUCTS

See Page 4572 for description of course. *Elective.*

3 Lects. per week—second term.

333. ECONOMIC ANALYSIS

See page 4572 for description of course. *Elective.*

3 Lects. per week—both terms.

ENGLISH

114. ENGLISH COMPOSITION

See page 4573 for description of course.

1 Lect.; 1 Lab. per week—both terms.

Professor Avison and Mrs. Dubreuil

116. ENGLISH LITERATURE

See page 4574 for description of course.

2 Lects. per week—both terms.

225. MODERN LITERATURE

An extension of Course 116, with topics and readings drawn from the work of British, Canadian, and American writers in the period from 1880 to the present. This course may be elected by Third or Fourth year students.

2 Lects. per week—both terms. *Professor Hall*

226. SPEAKING AND WRITING

An extension of Course 114 for students who require or desire further practice in oral and written expression. Laboratory periods may be substituted for lectures. This course may be elected by Third or Fourth year students.

2 Lects. per week—first term; 1 Lect. 1 Lab. per week—second term.

Professor Avison and Mrs. Dubreuil

All Second year degree course students must take either English 225 or English 226. The prerequisite to these courses is successful completion of Senior Matriculation English Literature and Composition, or English 114 and 116 at Macdonald College.

331. THE LITERATURE OF RURAL LIFE

A study of Canadian and American regional literature. The schedule of topics and readings, covering the period from pioneer settlements to the present day, emphasizes the large place in our literature held by prose and poetry which is inspired by the land and the people who live on the land. *Elective.*

3rd or 4th Yr.:—1 Lect. per week—first term; 2 Lects. per week—second term. *Professor Avison*

332. MODERN DRAMA

A reading course in modern English and American drama with special attention to trends and developments since 1900. Not given for fewer than 5 students. *Elective.*

2 Lects. per week—first term; 1 Lect. per week—second term.

Professor Hall

EXTENSION METHODS

330. EXTENSION METHODS

See page 4575 for description of course.

1 Lect.; 1 Lab. per week—both terms. *Professor Avison and Committee*

FOODS AND COOKERY

226. BASIC COOKERY

Study and practice in methods of food preservation. The selection and preparation of foods and the principles of cookery

2 Lects.; 3 Labs. per week—both terms.

Five days of laboratory work in food preservation prior to the opening of the session. *Miss Empey*

332. ADVANCED COOKERY

An advanced course in food preparation.

1 Lect.; 1½ Labs. per week—both terms.

333a. FOOD VALUES

Calculation of the nutritive value of foods and meals, with practical application.

1 Lect.; 1 Lab. per week—first term.

335. FOOD SELECTION

A study of foods, including the selection and use of rare fruits and vegetables and food adjuncts.

1 Lect. per week—both terms.

434a. EXPERIMENTAL COOKERY

Experience in experimental procedures and the interpretation of results. Each student completes one project.

1 Lect.; 2 Labs. per week—first term. *Professor Devereaux*

FRENCH

100. French is used exclusively by lecturer and students in this course.

(a) *Travail oral:* The aim of this section of the course is to increase

fluency, accuracy, and precision in speaking French. Assignments vary according to the interests and capabilities of the students.

(b) *Explication de textes:* A study, gauged to the achievement level of the students, of a novel of French Canada. The primary object is to master the story and to appreciate the atmosphere of French Canada as portrayed in the novel. Subsequently a detailed analysis is undertaken.

(c) *Cours de civilisation:* A survey course of French history; biographical and literary aspects are stressed.

Text Book: Doublas W. Alden, Ed., *Introduction to French Masterpieces* (Appleton-Century-Crofts)

Elective.

Professor Hawkins and Mr. G. W. E. McElroy (Institute of Education)

300. *Aim:* practice in French for students who expect to work in Quebec Province: preparatory work for postgraduate students who intend to meet second language requirements in French. Emphasis will depend on needs of students enrolled. *Prerequisite:* Quebec High School Leaving French or equivalent. *Content:* writing, reading and oral practice.

Elective.

Professor Hawkins and Mr. G. W. E. McElroy (Institute of Education)

HISTORY

100. European civilization in medieval and modern periods. *Elective.*
(*Not offered in 1959-60*)

HOME ECONOMICS EDUCATION

330c. PSYCHOLOGY

General and practical aspects applied to living, learning and teaching.

3 Lects. per week—either term. *Professor Honey*

411. GENERAL EDUCATIONAL PRACTICE

Taken in conjunction with the School for Teachers by students in the Teaching Option. Registration is on September 12th, 9:00 a.m.—12:00 noon.

2 Lects. per week—first term; 1 Lect. per week—second term.

Institute of Education Staff

440a. METHODS OF INSTRUCTION

Applications of principles studied in Education 330c. Examination of curricula in Home Economics with particular attention to the Quebec course of study. Selection and organization of subject matter for various

types of lesson; class management; observation and teaching of discussion and laboratory classes.

4 Lects. per week—first term. *Professor Honey*

442c. PRINCIPLES OF GROUP EDUCATION

This course furnishes experience in the preparation of material for the public in the form of food, clothing, or equipment demonstrations. Job Instruction Training is included. Students who take Education 440a, and Education 443b and 453b will be required to take the equivalent of only 2 laboratory periods per week.

Dietetics Option: 3 Labs. per week—either term.

Teaching Option: 2 Labs. per week—either term. *Professor Honey*

443. OBSERVATION AND PRACTICE TEACHING

Observation and practice teaching in Macdonald High School and in the schools of the Protestant School Board of Greater Montreal. Experience will also be arranged in rural schools when possible.

Thursday as arranged—both terms. *Professor Honey*

453b. PROBLEMS IN HOME ECONOMICS EDUCATION

This course runs concurrently with Education 443b. Problems arising from field experience serve as the basis for some of the discussion. Examination of types of laboratories and equipment used in teaching Home Economics; study of various methods of keeping records, of evaluating practical and written work; the use of books, magazines, films, filmstrips, and other source material; organization and preparation of teaching materials for classes in Home Economics.

2 Lects. per week—second term. *Professor Honey*

HOUSEHOLD ADMINISTRATION

220. HOUSEHOLD ADMINISTRATION

A study of house planning, with detailed attention to the kitchen from the standpoint of function, convenience, and safety; selection, use, and care of household equipment and furnishings, including practical work in cleaning; menu planning, table service and decorations.

1 Lect. per week—first term; 1 Lect.; 1 Lab. per week—second term. *Professor Devereaux*

331c. HOME MANAGEMENT

A study of the process of home management; planning, carrying out the plan, and evaluating with practical application in a well-equipped house on the campus where groups of five students, under supervision, have charge of managing the home, including menu planning, preparation

and service, marketing, accounting, and care of supplies, equipment, and furnishings.

1 Lect. per week—first term; 3 weeks in Home Management House—either term. *Professor Devereaux*

HOUSEHOLD SCIENCE

110a. INTRODUCTION TO HOUSEHOLD SCIENCE

A course of lectures arranged to acquaint the student with the development and scope of Household Science.

2 Lects. per week—first term. *Household Science Staff and others*

INSTITUTION ADMINISTRATION

441. INSTITUTION PRACTICE

Practical experience in quantity cookery, and institution routines in dining departments.

1 Lect. per week—both terms. *Mrs. Young and Staff*

441a. INSTITUTION PRACTICE

School Feeding. A study of school lunch programmes and cafeteria service, with opportunity for practical experience.

1 Lect. per week—first term. *Mrs. Young*

442a. FOOD PRODUCTION

Quantity food buying, principles of quantity cookery, and menu planning.

2 Lects. per week—first term. *Mrs. Young*

443a. INSTITUTIONAL COST ACCOUNTING

Food cost control methods and accounting procedures related to food service.

2 Lects. per week—first term. *Mrs. Young*

444a. PERSONNEL MANAGEMENT

A study of employee training programmes in dietary departments; leadership development.

2 Lects. per week—first term. *Professor Neilson*

445b. KITCHEN ORGANIZATION

The purchasing of large quantity equipment; kitchen planning and sanitation.

3 Lects. per week—second term. *Mrs. Young*

MATHEMATICS

111. PLANE TRIGONOMETRY

Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logarithmic solutions of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

2 Lects. per week—first term; 1 Lect. per week—second term.
Professor Henry (Institute of Education)

112. ALGEBRA

Variation, progressions, with applications to compound interest, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

1 Lect. per week—first term; 2 Lects. per week—second term.
Professor Henry (Institute of Education)

NUTRITION AND DIETETICS

220b. ELEMENTARY NUTRITION

A study of the indications of good nutrition and the essential food constituents.

2 Lects. per week—second term. *Miss Empey*

430. FUNDAMENTALS OF NUTRITION

See page 4580 for description of course.

2 Lects.; 1 Lab. per week—both terms.
Professors Crampton, Lloyd and Mr. Donefer

441. DIET THERAPY

The function of nutrition as a curative and preventive factor in disease. Visits to hospital clinics and dietary departments. Field trips.

2 Lects. per week—first term; 3 Lects.; 1 Lab. per week—second term.

444b. NUTRITION SEMINAR

Part of the work in this course will be taken with B.Sc.(Agr.) students.

2 seminars per week—second term. *Professor Neilson*

PHYSICAL EDUCATION

10. Physical Education will be included in the work of the First year, all students being required to attend a minimum of two hours weekly during the session. Opportunity is provided for participation of all students in archery, swimming, basketball, skating, hockey, and badminton.

2 hours per week—both terms—Stewart Hall Gymnasium.

Miss Nichol (Institute of Education)

PHYSICS

112. GENERAL PHYSICS

See page 4581 for description of course.

3 Lects.; 1 Lab. per week—both terms. *Professor Rowles*

340a. BIOPHYSICS

See page 4581 for description of course.

2 Lects.; 1 Lab. approx. 9 weeks—first term.

Professors Rowles and Warkentin

PHYSIOLOGY

330b. ELEMENTARY PHYSIOLOGY

3 Lects. per week—second term. *Professor Dale*

PSYCHOLOGY

EDUCATIONAL PSYCHOLOGY—See course Home Economics Education 330c.

331c. CHILD PSYCHOLOGY

The course will follow the development of the child from prenatal stages through the years of middle childhood. Special emphasis will be placed on the practical aspects of child care, training, behavior symptoms, and the everyday problems of the normal child. *Elective.*

3 Lects. per week—either term.

Professor Young (Institute of Education)

SOCIOLOGY

340c. INTRODUCTION TO SOCIOLOGY

An examination of the patterns of our society, with emphasis on group relationships. The course covers a general introduction to sociological

theory, the social development of the individual, ethnic and class groupings, characteristics of urban and rural life, social change and institutional structures. *Elective.*

3 Lects. per week—either term. *Mrs. MacFarlane*

TEXTILES

110b. LAUNDERING

Effect of common chemicals on textile fabrics; methods of laundering, stain removal, and dry cleaning; study of laundry equipment.

2 Lects.; 1 Lab. per week—second term. *Professor Jenkins*

220. TEXTILE FIBRES AND FABRICS

The source, construction, properties, and qualities of textile fibres and fabrics for clothing, household, and institutional use. Furnishings for the home and institution will be studied in order to establish a basis for the wise selection of textile materials by the consumer. Prerequisite to Chemistry 450b.

2 Lects. per week—both terms.

ZOOLOGY

220. GENERAL ZOOLOGY

See page 4585 for description of course.

2 Lects.; 2 Labs. per week—both terms. *Professor Kevan*

B.Sc.(H.Ec.) COURSE EXAMINATIONS

(See page 4586)

Scholarships, Prizes, Bursaries and Loan Funds

GENERAL

There is available to students in the Faculty of Agriculture a wide range of scholarships and prizes as well as limited financial assistance provided through loan funds and through bursary-loan arrangements. The principal forms of University awards are:

(1) **UNIVERSITY SCHOLARSHIPS**

A scholarship is an honour granted for distinguished academic performances, and unless otherwise specified carries no stipend. However, the holder of a scholarship, on proof of need, has preferred claim to financial aid.

(2) **BURSARIES**

A bursary is a financial award made, on the basis of need, to a student whose academic achievement, promise and character make him worthy of support.

(3) **LOANS**

A loan is the form of aid awarded to supplement a student's resources where his earning potential justifies the prospect of fairly early repayment. Sound academic standing, promise, and character are required as conditions of eligibility.

(4) **LOAN-BURSARIES**

In certain cases, at the discretion of the University Scholarships Committee, a loan may be converted wholly or partially into a bursary as a recognition of outstanding academic performance.

In addition to these University awards, there are many scholarships and prizes based on endowed or other funds carrying restriction as to their use.

LOAN FUNDS AND BURSARIES

Faculty of Agriculture Loan Funds: Interest bearing loan funds in limited amounts are available to particularly deserving Canadian students in good academic standing who are in need of financial assistance. They are available to students in any year of the course, but generally apply only to those who have completed at least one year in the Faculty.

Students are required to exhaust other possible sources of financial assistance, e.g., family and relatives, Dominion-Provincial loan and bursary funds, etc., before an application for assistance from University Loan Funds will be considered. In the case of students who maintain first or second class honours standing in the year during which the loan is made, part of the loan may be converted, at the discretion of the Faculty Committee on Scholarships, to a bursary. Every application for this loan or bursary assistance will, in the first instance, be treated as an application for a loan. The basis on which the Faculty Committee on Scholarships may recommend a loan-bursary is as follows: (1) for the student who secures an average in the year's work ranging from 65 to 70 per cent, the loan would be converted to a bursary to the extent of ⅓ of tuition; (2) for the student who secures an average in the year's work ranking from 71 to 75 per cent, the loan would be converted to a bursary to the extent of ⅔ of tuition; (3) for the student who secures an average in the year's work of over 75 per cent the entire loan up to the cost of tuition would be converted to a bursary. Applications for loans are considered by Faculty at the time of registration for the autumn term. Students must make application for this form of assistance prior to or at registration.

Kiwanis Club of Montreal Student Loan Fund. To assist worthy students who are in need of financial help to further their education, the Kiwanis Club of Montreal has established a loan fund for students in Agriculture at Macdonald College. Loans from this fund may be applied for by students contemplating entering the College as well as by students already enrolled.

The loans are to be repaid, in whole or by instalments, as soon as the recipient is able to do so. Except in special cases the maximum loan is $250.

Application for a Kiwanis Club loan is to be made to the Secretary, Macdonald College.

Provincial Government Grant. The Department of Agriculture of the Province of Quebec grants to each graduate and undergraduate student in Agriculture who belongs to the Province of Quebec, and is registered for regular courses, $15.00 per month of attendance in studying according to the time table in the Faculty of Agriculture, Macdonald College. Other students in Agriculture receive grants of half this amount. This grant will be paid in two instalments, in January and in May. In the case of graduate students, only bona fide students who give full time to their studies are eligible for the grant.

Dominion-Provincial Loans and Bursaries. The Dominion and Provincial Governments jointly offer a number of bursaries and combined bursaries and loans to degree students in most faculties and schools. These are

open to men and women on equal terms. The Quebec grants are half bursary and half loan, the latter being repayable one year after graduation. To be eligible for a Quebec grant, a student must be a British subject with at least five years' residence in the Province of Quebec, and must be under thirty years of age, in good academic standing, and in definite need of financial assistance. In some cases bursaries may be granted to married students.

Graduate students are not eligible under this plan, nor are students who receive any assistance from other Government funds. The award varies with the need and will not generally exceed $200 for a Montreal resident or $500 for a non-resident in any one session. These bursaries may be renewed upon application before 1st June if the conditions for granting the award are maintained. Applications for new bursaries must be submitted on the proper forms before 15th September. Decisions regarding renewals of these bursaries are usually made late in August, but decisions regarding the award of new bursaries are not usually made until after the middle of October. For further particulars apply to the Registrar's Office. Students coming from other provinces should inquire from their Provincial Departments of Education whether they are eligible to participate in any comparable scheme.

Alumni Bursaries. Two bursaries of $200 each are offered by the Macdonald Branch of the McGill Graduates' Society. One will be awarded to a student entering the B.Sc.(Agr.) course, the B.Sc.(H.Ec.) course, or the B.Ed. course. One will be awarded a student entering the Second year of one of these courses. The winner of the entrance bursary will be considered along with other applicants for the Second year bursary.

Application must be made to the Registrar before September 1st, on forms provided.

Children of War Dead (Education Assistance) Act. Under this Act fees and monthly allowances are provided for children of veterans whose death was attributable to military service. Enquiries should be directed to the nearest District Office of the Department of Veterans Affairs.

FACULTY OE AGRICULTURE SCHOLARSHIPS AND PRIZES

B.Sc. (Agr.) COURSE

Governors General's Medal. His Excellency the Governor General of Canada donates a medal to be awarded to the student in Agriculture who ranks highest in the graduating class.

Lieutenant-Governor's Medal. His Honour the Lieutenant-Governor of the Province of Quebec donates annually a medal, which is awarded to the student who ranks highest in the Third Year in Agriculture.

Macdonald Medals. As a tribute to Sir William Macdonald, and in recognition of academic achievement, Mr. and Mrs. Walter M. Stewart of Montreal have donated two medals for annual competition, one medal to be awarded to the student with the highest aggregate standing in the First year, and one to be similarly awarded in the Second year of the B.Sc. (Agr.) course.

National Scholarships (see page 4626).

General University Scholarships (See page 4627).

Eliza M. Jones Scholarships. Four scholarships have been established by a bequest of the late F. P. Jones in memory of his mother. They are restricted to applicants who are entering the B.Sc. (Agr.) course for the first time. They have a minimum value of $300 and a maximum value of $500. Two are reserved for students who are entering the First year of the course and two for students entering the Third year of the course.

Application forms may be obtained from the Registrar, and all applications must be made before September 1st. Candidates for First year scholarships are required to submit their complete high school record, their matriculation or school leaving marks. Candidates for Third year scholarships are required to present records of their academic attainment for the first two years of college work. In all cases the Registrar will ask for a recommendation from officers or Faculty members of the school or college attended.

Nova Scotia Agricultural College Scholarship. Macdonald College offers a scholarship of $600 to the student of the Nova Scotia Agricultural College who obtains the highest standing in the work of the Second year of the degree course in that College, and who subsequently registers in the Third year at Macdonald College. The scholarship will be paid in two instalments: half at the beginning of the Third year, half at the beginning of the Fourth year.

Borden Company Limited Scholarship. A scholarship of $300 is offered by the Borden Company Limited of Canada to encourage promising students who take a course of study of value to the dairy industry. The award will be made to a student on completion of his Third year, half payable at the beginning of the first term of the Fourth year, the balance at the beginning of the second term. The following factors will be considered in making the award: high standing in the subjects of his course during the Third year with emphasis on dairying, dairy chemistry, or dairy bacteriology; participation in student organizations and college activities; co-operation with students and staff in the advancement of the interest of the student body and the College as a whole.

Daughters of the Empire Prize. As a recognition of the value of agricultural education in their Province and Country, the Imperial Order Daughters of the Empire, Quebec Provincial Chapter gives a prize of $200, tenable during the Third and Fourth years of the B.Sc. (Agr.) course, to the British student who obtains the highest marks in the final examinations of the Second year. The award is payable to the winning student in two instalments of $100 each at the beginning of his Third and Fourth years respectively.

Steinberg Prizes. Two prizes of $100 each are awarded annually by Steinberg's Limited to students in the Third year of the B.Sc. (Agr.) course. One is awarded to the student ranking first in the Animal Husbandry option, and the other to the student ranking first in the Horticulture option.

Robert Raynauld Prizes. Four prizes are offered by Robert Raynauld, M.S.A. '28, publisher of *La Ferme.* Two prizes, of $60 and $40 respectively, are awarded to the students standing first and second in course Agronomy 442—Project. The decision is based on both written and oral presentation.

Two prizes of $60 and $40 respectively are awarded to the students standing first and second in the examinations of the Third year of the Agronomy Option.

Chemical Institute of Canada Prize. The Chemical Institute of Canada offers a prize of books to the value of $25 to the student in the Chemistry Option with the highest standing at the end of the Third year.

Society of Chemical Industry Prizes. Two prizes, one of $50 and one of $25, are offered by the Montreal Section of the Society of Chemical Industry (Canadian Section), for an original essay on a chemical subject. Undergraduate students are eligible to present papers. Further details may be obtained from the Chairman of the Chemistry Department, or from the Registrar's Office.

Lochhead Memorial Prize. A prize established by an endowment of $400 in memory of William Lochhead, B.A., M.Sc., the first Professor of Biology at Macdonald College. It is awarded to the student, majoring in Entomology, who takes the highest standing in the Fourth year, the prize, in value equal to the proceeds of the endowment for one year, to be in books selected by the winner with the approval of the Chairman of the Department of Entomology.

Class of 1953 Book Prize. Graduates of the class of 1953 (Agriculture and Household Science) have established a fund, the proceeds of which are used to provide a prize in books for the student with the highest standing in all the courses of the second year curriculum. The prize will be awarded in the B.Sc.(Agr.) course in odd-numbered years; in the B.Sc.(H.Ec.) course in even-numbered years.

Stern Cup. Sir Edward D. Stern, Fan Court, Chertsey, Surrey, England, has donated a silver challenge cup, which is held for one year by the student who makes the highest aggregate in Stock Judging in the final year of the subject.

Cutler Shield. Mr. Garnet H. Cutler, Professor of Agronomy, Purdue University, Lafayette, Indiana, the first lecturer in Cereal Husbandry, Macdonald College, has donated a bronze challenge shield, which is held for one year by the student majoring in Agronomy, who makes the highest aggregate in the final year.

Conklin Trophy. Dr. Raymond L. Conklin has donated a trophy to be held for one year by a student in any year of the B.Sc.(Agr.) course who has, in any one session, played on the College rugby team and in one other team sport and who, in the same year, has maintained high academic standing. The winner's name will be engraved on a shield on the trophy which will be awarded only once to any individual.

Janet Morison Robb Bursary for Women. See page 4625.

Note:—No scholarship or prize will be awarded to any student in any of the classes whose percentage of marks is below seventy, unless by special action of the Faculty.

GRADUATE SCHOLARSHIPS

Walter M. Stewart Scholarships. Two scholarships of $1000 each are offered annually, one to graduates of the Institut Agricole d'Oka, and one to graduates of l'Ecole Supérieure d'Agriculture at Ste. Anne de la Pocatière, to assist students from these institutions in pursuing postgraduate studies at MacDonald College.

C.I.L. Fellowship. A postgraduate Fellowship in Agriculture for research related to the agricultural chemicals industry, of the value of $2,000, with an additional grant of $400 for research expenses and tenable at Macdonald College by students proceeding to a Ph.D. degree is offered by Canadian Industries Limited to university graduates who are Canadian citizens or to university graduates who are intending to follow a career in Canada. Preference is given to Canadian citizens. Upon completion of the year's work, a written report outlining work performed under the Fellowship or a copy of the thesis prepared for his degree shall be submitted by the Fellow to Canadian Industries Limited.

Normally the Fellowship will be tenable for one year only, but in special cases may be renewed for a second year.

Applications, addressed to the Registrar, must be made before May 15th each year.

Cominco Fellowship. The Consolidated Mining and Smelting Company of Canada, Limited, offers annually a fellowship of $1000 for research related to metals, fertilizers, and chemicals; an additional grant up to $200 may be made for research expenses or for continuance of the investigation. The fellowship is open to graduates of any approved university, in Science, Engineering, or Agriculture, who will normally be proceeding towards a higher degree at McGill. Canadian applicants are preferred. The topic of research will be selected in consultation with the donors and with the Dean of the Faculty of Graduate Studies and Research, to whom application should be made not later than May 1st.

Other Graduate Fellowships. A number of Graduate Fellowships are available to students entering the Faculty of Graduate Studies and Research. These have a fixed value of $1,200 for ten months plus tuition fees. Further particulars may be obtained from the Dean of the Faculty of Graduate Studies and Research.

DIPLOMA COURSE

Lieutenant-Governor's Medal. His Honour the Lieutenant-Governor of the Province of Quebec, gives annually a bronze medal, which is awarded to the student who takes the highest percentage in General Proficiency in the First year of the Diploma Course.

Minister of Agriculture's Medals. The Honourable the Minister of Agriculture of the Province of Quebec offers annually two bronze medals in connection with the Diploma Course, Second year Class, to be presented to the students ranking first in the Dairy Farming and in the Fruit Farming Groups respectively.

Q.W.I. Bursary. The Quebec Women's Institute provides a bursary of $100 to the student entering the Second year of the Diploma Course, who:—

(1) Is a professional farmer's son, (or daughter) from the Province of Quebec.

(2) Has spent at least one season (seed time to harvest) in his father's employ on the farm.

(3) Intends to return to his father's farm for at least one year on completion of his course (or to manage his own farm).

(4) And who, if more than one candidate presents himself as fulfilling the above three requirements, takes the highest proficiency in agricultural subjects in the First year or, if he is the only candidate, obtains at least class II standing in these subjects.

If no student can qualify for the above, this bursary will be made available as an entrance bursary to the First year of the Diploma Course.

Fisher Trust Fund. In memory of the late Honourable Sydney A. Fisher, formerly Member of Parliament for Brome County and Minister of Agriculture, Canada, two agricultural prizes of $75 a year each tenable at Macdonald College for two years are offered, for the Diploma Course in Agriculture, on the following conditions:—

1. The candidates must be sons of farmers in the County of Brome, co-operating in farm activities during the period of their college course.

2. The candidates must be at least sixteen years of age.

3. The candidates must have passed at least grade IX of the High School course.

4. These awards will be continued from term to term only upon favourable reports from the Dean of the Faculty of Agriculture.

Applications must be sent, on or before the 1st of October, to the Chairman of the Fisher Trustees, R. F. Cowan, Mansonville, Que.

Minister of Agriculture's Prize. The Honourable the Minister of Agriculture of the Province of Quebec donates a prize each year to the student graduating in the Diploma course who has shown the greatest general improvement during the two years of the course.

La Ferme Prize. Robert Raynauld, M.S.A., Editor of *La Ferme* magazine, offers a prize of $25 for competition among students of the Second year of the Diploma Course who come from farm homes and who intend to return to farming after graduation. The prize will be awarded to the eligible student who presents the best project.

B.Sc. (H.Ec.) COURSE

Governor General's Medal. His Excellency the Governor General of Canada donates a medal to be awarded to the student in Home Economics who ranks highest in the graduating class.

Lieutenant-Governor's Gold Medal. His Honour the Lieutenant-Governor of the Province of Quebec donates annually a gold medal which is awarded to the student who ranks highest in the Third year class in Home Economics.

Lieutenant-Governors' Silver Medal. His Honour the Lieutenant-Governor of the Province of Quebec donates annually a silver medal which is awarded to the student who ranks highest in the practice teaching option in the Fourth year of Home Economics.

Stewart Medals. The Stewart medals, which are named in recognition of the long and continued support and interest of Mr. and Mrs. Walter M. Stewart in the academic progress and welfare of Macdonald College students, are awarded annually for academic achievement to the students ranking highest in the First and Second years of the B.Sc. (H.Ec.) course.

National Scholarships (see page 4626).

General University Scholarships (see page 4627).

Mrs. Alfred Watt Memorial Prize. A Prize has been established by the Quebec Women's Institutes as a memorial to a distinguished Canadian, Mrs. Alfred Watt, M.B.E., who introduced the idea of Women's Institutes in England and Wales and was President of the Associated Country Women of the World from 1930 to 1947. This prize, valued at $100 annually, is awarded to a student from rural Quebec in the Second, Third or Fourth year of the B.Sc. (H.Ec.) course who shows qualities of leadership and is worthy of financial encouragement to complete her course.

Frederica Campbell Macfarlane Prize. A prize has been donated by the Quebec Women's Institute in memory of the late Frederica Campbell Macfarlane, graduate in Institution Administration, 1912, Superintendent of the Quebec Women's Institute from 1913 to 1919. This prize, valued at $100, is open only to students from a rural district of the Province of Quebec, and is awarded on the results of the final examinations in any one of the first three years of the B.Sc. (H.Ec.) Course.

I.O.D.E. Bursary. The Imperial Order Daughters of the Empire offers a bursary of $200 to a British student who has successfully completed the Second year of the B.Sc. (H.Ec.) course and has obtained satisfactory standing. The bursary is offered to aid a worthy student who is in need of financial assistance in order to complete her studies. It is payable in two equal instalments at the beginning of the Third and the Fourth years of the course. Other considerations being equal, preference will be given to a candidate from rural Quebec. Application must be made to the Registrar before October 1st, on forms supplied by the College.

Montreal Home Economics Association Bursary. The Montreal Home Economics Association offers a bursary of $150 to a deserving student in one of the senior years of the B.Sc. (H.Ec.) course. Applications must be made to the Registrar before October 1st.

Janet Morison Robb Bursary for Women. This bursary was established, by an endowment of $2,000, by the late Honourable James A. Robb, formerly Member of Parliament for Chateauguay-Huntingdon and

Minister of Finance, Canada, in memory of his deceased daughter, Janet Morison Robb, wife of Hugh Harvie Donald. The annual bursary will be the income from the endowment for one year.

Preference will be given to women students resident in either of the counties of Chateauguay-Huntingdon, or Beauharnois, who are daughters of widowed mothers of limited or moderate means, or daughters of widowers in similar financial circumstances, or daughters of disabled Canadian soldiers who have seen active service.

Candidates for this bursary are requested to make written application, addressed to the Registrar, Macdonald College, Que., giving full particulars of the grounds upon which their applications are based, and to provide letters from two responsible persons in support of their claims.

Harrison Prize. A prize established by an endowment of $300 under the will of the late Dr. F. C. Harrison, Principal of Macdonald College from 1910 until 1926; awarded to the student of the B.Sc. (H.Ec.) course who graduates with the highest standing.

Class of 1953 Book Prize. Graduates of the class of 1953 (Agriculture and Household Science) have established a fund, the proceeds of which are used to provide a prize in books for the student with the highest standing in all the courses of the Second year curriculum. The prize will be awarded in the B.Sc.(Agr.) course in odd-numbered years; in the B.Sc.(H.Ec.) course in even-numbered years.

Home Economics Club Prize. The Home Economics Club of Macdonald College offers a prize of $25 to the student with the highest aggregate in Household Science subjects during the Second and Third years. The award will be made at the end of the Third year.

McGILL UNIVERSITY SCHOLARSHIPS

Students in the Faculty of Agriculture are eligible to apply for the following University scholarships and bursaries. Applications are to be sent to The Registrar, McGill University, Montreal 2, Que., before July 1st, unless otherwise stated.

National Scholarships: A number of National Scholarships, in addition to the Morris W. Wilson Memorial Scholarships, will be awarded by the University Scholarships Committee to enable outstanding students from all parts of Canada, who would not otherwise be able to do so, to attend the University. These will be awarded both to students entering undergraduate degree courses by means of matriculation examinations and to students entering any professional faculty of the University except the Faculty of

Graduate Studies and Research. The undergraduate work of students entering such professional faculties as Medicine, Dentistry, Law, Divinity, etc., must have been completed at some other university.

These scholarships will normally be tenable for the period necessary to obtain a degree. The amount awarded will depend upon need, but may extend to the full costs of tuition, residence, and board. As far as possible, holders will be accommodated in University residences, but this cannot be guaranteed. Normally, National Scholarships will be awarded only to students who reside outside the Montreal area. (It should be noted, however, that the existing University Entrance Scholarships are awarded to students from the Montreal area.)

Two of these National Scholarships have been made possible through the generosity of Mr. David Wolfson and two winners will, therefore, be designated as David Wolfson Scholars.

Applications should be made on forms to be obtained from the Registrar, McGill University, Montreal 2, Que., and should be submitted on or before June 1st.

University Scholarships. Certain scholarships implying exceptionally high achievement have been designated "University Scholarships" by Senate.

The winner of a University Scholarship receives the title and status of a "University Scholar."

The maximum value of a University Scholarship for students living at home is the tuition fee of the holder. Students who must live away from home in order to attend the University may receive an additional grant not exceeding $500. In each case the grant actually awarded will depend upon the financial needs of the winner.

A University Scholarship is renewable annually provided that in the opinion of the University Scholarships Committee the holder maintains a sufficiently high academic standing. No application is required.

Morris W. Wilson Memorial Scholarships. Established by contributions from a large number of intimate friends and business associates of the late Morris W. Wilson as a memorial to a distinguished citizen who, among his many public activities, rendered distinguished service to the cause of education, and who, at the time of his death, occupied the office of Chancellor of McGill University. The creation of the fund marks the culmination of a hope long cherished by Mr. Wilson, that of supplying the means whereby young Canadian boys and girls of outstanding ability and promise, but in poor financial circumstances, might obtain the benefits of a university education. It is hoped that this fund may be the means of

assisting many deserving young Canadians, particularly those from rural areas, to become better equipped to perform the duties of citizenship and so more effectively to apply their abilities to the general development and welfare of the country.

These Scholarships are open on equal terms to men and women of Canadian parentage, now resident in Canada, and are open only to students who wish to enter the Faculty of Arts and Science, the Faculty of Engineering, or the degree course in Agriculture at Macdonald College. Each Scholarship covers the full tuition fee of the student, as well as the cost of board and residence at Douglas Hall, the Royal Victoria College, or Macdonald College, for the full period necessary to enable the student to obtain his degree. The holder will normally forfeit the Scholarship if, during his course, he fails to maintain academic standing satisfactory to the Selection Committee.

Canadian Pacific Railway Scholarships. Scholarships covering five years' tuition in Chemical, Civil, Mechanical, or Electrical Engineering, or six years' tuition in the School of Architecture, or four years' tuition in the Arts courses of the Faculty of Arts and Science, or in the School of Commerce, or four years in the School of Household Science, Macdonald College, are awarded annually by the Canadian Pacific Railway Company. These are open for competition to apprentices and other employees of the Company under twenty-one years of age, as well as to minor sons and daughters of employees. The method of award is that of the University Entrance Scholarships described in the Scholarships Announcement, candidates being required to submit:

(a) their complete High School record,

(b) their marks or grades in any recognized examination,

(c) confidential letters from their school principals.

Forms of eligibility and full particulars as to the number of scholarships available, etc., may be obtained from Mr. G. A. Smyth, Superintendent of Pensions and Staff Registrar, Pension Department, C.P.R. Offices, Montreal. Applications, on forms obtainable from the Registrar's Office, accompanied by statements of eligibility from Mr. Smyth, must reach the Registrar's Office before 1st July.

Ottawa Valley Graduates' Society Bursary of the value of $100. This bursary is given through the Ottawa Valley Branch of the Graduates' Society. The winner is selected by the University from candidates who have written (1) The McGill School Certificate Examination or (2) The Quebec Catholic or Protestant High School Leaving Examination or (3) The Ontario Grade 12 Examination or (4) The McGill Senior School Certificate or (5) The Ontario Grade 13, or (6)

The Quebec Catholic or Protestant Senior High School Leaving Examination.

Applications must reach the Registrar's Office, McGill University before September 1st.

Isabella C. MacRae Scholarship. This scholarship of $150 is open to residents of Maxville, Ont., who have satisfied the requirements for entrance to McGill University. Should there be no successful applicants from this locality for six years, the scholarship will subsequently be open to any resident in Ontario.

Christie-Storer Scholarship. A scholarship of the value of $150, endowed by the above-named Chapter of the I.O.D.E. in memory of the men of St. Lambert who fell in the Great War, 1914-18, is awarded annually to the pupil residing in St. Lambert who stands highest in the June High School Leaving examination each year at the Chambly County High School.

B'nai B'rith Bursaries. Three bursaries of $100 each have been given by the Mount Royal Lodge of B'Nai B'rith. These bursaries are open to men and women students in any faculty. Need and scholarship will determine the award. Applications in writing must reach the Registrar's Office, McGill University, before the end of August.

B'nai B'rith Hillel Foundation Bursary. This Bursary of $200, established by the B'nai B'rith Hillel Foundation of McGill University, is awarded by the University Scholarships Committee to a deserving student, irrespective of race, colour, or creed, in any faculty, preference being given to a student returning from service in the armed forces.

Frederick Southam Ker Bursary. This bursary was established in 1941 by the late F. N. Southam in memory of his grandson, Frederick Southam Ker, who was killed in action on September 6th, 1940. This bursary of $175 is open on equal terms to men and women of all faculties without respect to religion or race. It is awarded to a student who gives promise of becoming a good citizen but is handicapped in his or her academic course by lack of funds. Financial need, character, and academic record are all taken into account in making the award.

St. Francis District Graduates' Society Bursary. This Bursary of $250 is restricted to residents of the area covered by the St. Francis District Branch of the Graduates' Society and is open to pupils of any high school or private school entering any faculty or school of McGill University, including Macdonald College. The Bursary may be renewed for a second year. An amount of $150 of the Bursary is to be repaid by the holder at the rate of a minimum of $50 per year after graduation. The award

is made by the St. Francis District Branch of the Graduates' Society on the recommendation of the University Scholarships Committee. Application forms may be obtained from the Registrar's Office, McGill University.

General Motors Scholarships. Three entrance scholarships at McGill University have been established by the General Motors Corporation of Canada and are open to outstanding young Canadian men and women entering the Faculty of Arts and Science, the Faculty of Engineering, or the degree courses in Agriculture or Household Science at Macdonald College. The scholarships are renewable annually until the holders obtain their first degrees provided they maintain a satisfactory academic standing. Should a holder withdraw or fail to maintain a satisfactory standing the scholarship may be awarded to another qualified candidate who is a member of the same class. The amount of each award is flexible and will range from an honorary award of $200 up to an award of $2,000 a year depending upon the demonstrated need of the individual. Applications must be submitted on or before the 1st of July.

Scholarship granted by the Graduates' Society of the District of Bedford. This scholarship of $140 is awarded each year to a student who has taken his or her High School classes (Grades IX, X, and XI) in one of the High Schools of the District of Bedford and who enters the University or Macdonald College to take any full-time degree course. The award, which may be divided between two students, is based on the results of the High School Leaving marks and is awarded by the District of Bedford Graduates' Society upon the recommendation of the University Scholarships Committee.

Khaki University and Y.M.C.A. Memorial Scholarship Fund. The interest on this fund is awarded in scholarships by the Scholarships Committee subject to the following conditions:

1. That the scholarships may be held by undergraduates only;
2. that preference be given to sons and daughters of soldiers:
   (a) who served in the war of 1914-18
   (b) who served in the war of 1939-45.

Leonard Foundation Scholarships. The Leonard Foundation created in 1916 by the late Colonel Reuben Wells Leonard and Mrs. Leonard offers each year a number of scholarships tenable at schools, colleges, and universities in Canada, approved by the Foundation.

The scholarships are open to men and women. A student to be eligible must be "a British subject, of the white race, of the Christian Religion in its Protestant form, and of the full age of fourteen years".

The amount of the award will vary with the need of the winner.

Sons and daughters of the following are given preference in the selection of scholars:

(a) Clergymen, (b) School Teachers, (c) Officers, Non-Commissioned Officers, and Men, whether active or retired, of His Majesty's naval, military, or air forces, (d) Graduates of the Royal Military College, (e) Members of the Engineering Institute of Canada, (f) Members of the Mining and Metallurgical Institute of Canada.

Men and women returning from active service are also given preference over the non-preferred class.

The University is willing to endorse and forward with its recommendation applications of any candidates who may wish to apply through the University and are approved by it.

Such candidates must make their applications on forms to be obtained from the Registrar's Office, McGill University, and must return these to the Registrar before January 1st.

Montreal Branch, Canadian Women's Press Club Scholarship in Journalism. This scholarship of $150 is open to women students in any faculty at McGill University, including Macdonald College, who are spending at least another year at the University.

The qualifications are high academic standing and definite ability in writing. Preference will be given to students who intend to make journalism a career and have taken an active interest in student publications.

The scholarship is restricted to Canadian citizens.

Application should be made by letter, giving qualifications, to the Registrar, McGill University, Montreal 2, Que. on or before April 15th.

The J. M. Rutherford Memorial Prize. The J. M. Rutherford Memorial Prize of $100 is offered annually for some original work or study undertaken by a student of the University, on his own initiative, preferably outside the regular work for his or her degree. Candidates may be nominated by any member of the University staff or may apply in writing directly to the Registrar, submitting evidence of their qualifications.

Entries or nominations must reach the Registrar, McGill University, Montreal 2, Que. *not later than May 1st.* The award will be made by the University Scholarships Committee. Students registered in the Faculty of Graduate Studies and Research are not eligible to compete for this Prize.

The competition is restricted to those students who have not previously won the Prize.

Other University Awards. In addition to the foregoing, there are a number of scholarships and bursaries which are administered by the University Scholarships Committee and which are open to students in any Faculty or School. Information concerning these will be found in the announcement of Scholarships, Bursaries, Prizes and Medals, a copy of which may be obtained from the Registrar, McGill University, Montreal 2, Que.

Approximate Cost of Courses per Session

Course	Tuition	Board and Residence	Textbooks, supplies, etc. (estimate)	Total
B.Sc.(Agr.)	300.00	465.00	85.00	850.00(1)
B.Sc.(H.Ec.)	300.00	465.00	85.00	850.00
Diploma in Agriculture—				
Sons of farmers of Quebec, the Ottawa Valley in Ontario, the Maritime Provinces	35.00	320.00	30.00	385.00(2)
Others	250.00	320.00	30.00	600.00(2)
Agriculture Specialist Certificate	250.00	575.00	50.00	875.00

(1) Students who have lived in Quebec 2 years or more, receive a Quebec Government grant of $105.00.

Students who have lived in Quebec less than 2 years, receive a Quebec Government grant of $52.50.

(2) Students who have lived in Quebec 2 years or more, receive a Quebec Government grant of $75.00.

Students who have lived in Quebec less than 2 years, receive a Quebec Government grant of $37.50.

McGill University

Montreal

Institute of Education

School for Teachers
School of Physical Education
Division of Graduate Studies

1959-1960

McGill University

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and the School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

Institute of Education

The Institute of Education is under the administrative jurisdiction of the Faculty of Arts and Science

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THE INSTITUTE OF EDUCATION

Macdonald College, P.Q.

The Institute of Education, under the jurisdiction of the Faculty of Arts and Science, offers courses leading to the degrees of B.Ed., B.Ed.(P.E.), and M.A.(Education), and to the diplomas of the Protestant Department of Education, Quebec. The School for Teachers at Macdonald College and the School of Physical Education are administered within the Institute and it also conducts programs of graduate studies and research. The work of the Institute is carried on at Macdonald College and on the Montreal campus of the University and is under the general supervision of the Teacher Training Committee, a statutory body established in 1907. This committee consists of the Director of Protestant Education, four persons appointed by the Protestant Committee of the Council of Education, the Principal of McGill University, who is ex-officio chairman, and two other persons appointed by the Governors of McGill University. The present members are:

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J. A. de Lalanne, C.B.E., M.C., B.Com., C.A.
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Dean Fieldhouse
C. W. Hall
F. K. Hanson
A. M. Henry
Winona Wood
J. E. M. Young

B.Ed. ADVISORY COMMITTEE

D. C. Munroe, *Chairman*
Dean Fieldhouse
C. C. Bayley
C. W. Hall
F. K. Hanson
A. M. Henry
J. E. Launay
P. F. McCullagh
F. C. McIntosh
C. D. Solin
Herbert Tate
R. H. Walker
Winona Wood
J. E. M. Young

HISTORICAL INFORMATION

The McGill Normal School was founded in 1857 under an agreement between the Government of the Province of Quebec and McGill University. In 1907, following a further agreement subsequently confirmed by an Act of the Legislature (7 Edward VII, Chapter 26), the School was

moved to Ste. Anne de Bellevue where, as the School for Teachers, it became part of Macdonald College. Since that time it has operated as a school of the University under the jurisdiction and control of the Protestant Committee of the Council of Education and of the University.

At the time the School was moved from Montreal, the Macdonald Chair of Education was endowed in McGill College and a department was established for the preparation of candidates for the High School Diploma. In 1930 the Department inaugurated a course leading to the M.A. (Education). The administration of the School for Teachers and the Department was combined in 1954.

The McGill School of Physical Education began as a summer school in 1912 and a full year course was offered in 1916. In 1933 the curriculum was reorganized and a three year diploma course was offered and this was altered in 1945 to provide instruction for a specialized degree.

The Institute of Education was established in 1955 within the Faculty of Arts and Science. The work of the Institute is conducted partly in Montreal, partly at Macdonald College, and in a summer session conducted in cooperation with the Department of Education, Quebec.

COURSES OFFERED

COURSES	ENTRANCE REQUIREMENT	LENGTH OF COURSE
Faculty of Arts and Science		
B.Ed.	Arts or Science Junior Matriculation	4 years
B.Ed.(P.E.)	as for B.Ed.	as for B.Ed.
Central Board of Examiners (Quebec)		
First Class Diploma	University degree and prerequisites	1 year
Second Class Diploma	Senior High School Leaving	1 year
	or	
	Junior High School Leaving	2 years
Third Class	Junior High School Leaving	1 year
Special Certificate in Physical Education	Junior High School Leaving	2 years
	(with B.Ed. (P.E.))	4 years

Special Certificate in Early Childhood Education	Junior High School Leaving	1 year
	(with 2nd Class Diploma)	2 years
	(with B.Ed.)	4 years

Faculty of Graduate Studies and Research

M.A. (Education)	University degree of satisfactory standing and teaching diploma	2 summer and 1 winter sessions
Diploma in School Supervision	as for M.A.	as for M.A.

DESCRIPTION OF COURSES

Graduate Courses—M.A. (Education) and Diploma in School Supervision

These courses are intended to encourage teachers who have completed the basic academic and professional training to proceed with further graduate studies. The program is planned in three stages—two of which are given in five-week summer sessions with daily seminars. During the intervening winter session, weekly seminars are held in each of four areas of concentration and the student may register either full or part time. A thesis is required for the degree of M.A. Summer sessions are given at Macdonald College, Winter sessions at McGill.

Undergraduate Courses—B.Ed. and B.Ed.(P.E.)

These courses are intended for students who wish to combine the academic courses required for the other degrees in the Faculty of Arts and Science with professional training leading to the First Class Diploma issued by the Central Board of Examiners (Quebec).

The academic curriculum is as follows:

First year—B.Ed.—English 101, 116; Economics 100; French 100; Mathematics 111, 112 or Latin 100.

First year—B.Ed.(P.E.)—English 100, 116; Economics 100; Biology 100; Mathematics 111, 112 or Latin 100.

Second year—B.Ed.—English 225 and two options from Botany 100; Chemistry 100; Fine Arts 100; History 200; Geography 211; Mathematics 200; Music 100; Physics 100.

Second year—B.Ed.(P.E.)—English 225; Anatomy 100; Music 2; one option from those for the B.Ed.

Third year—B.Ed. and B.Ed.(P.E.)—Two continuation subjects selected from First and Second year and one optional subject.

Fourth year—B.Ed. and B.Ed.(P.E.)—The two Third year continuation subjects and one optional subject.

Candidates who have completed hte first year requirements for the B.A. or B.Sc. may be permitted to transfer to the B.Ed. course by taking the one-year Second Class Diploma course. Upon its completion, with satisfactory standing in Practice Teaching, they will be admitted to Third year.

The professional program, both in pedagogical studies and practice, is considerably more extensive than that in the regular diploma courses. Two years of the courses are given at Macdonald College; the third and fourth years are given at McGill.

The course in physical education follows closely the curriculum of the B.Ed. and other degrees in the Faculty. The professional emphasis is given through special courses in physical education and school practice. Students are also given instruction in methods of teaching general subjects.

First Class Diploma Course

Graduate students, holding degrees from approved universities and with credit in the prerequisite subjects, may prepare for general and specialist teaching in the course leading to the First Class Diploma of the Central Board of Examiners (Quebec). The course is arranged in three stages, the First Term being devoted to general teaching in the upper elementary school. In the Second Term, the student is expected to choose an area of concentration—Early Childhood, Primary, Elementary, Junior High School. During the last weeks of the Session students are encouraged to devote special attention to the area or the subjects of their choice, and those choosing the latter may select from the following grouping: English and History, Languages, Mathematics and Science, Physical or Biological Science. Six weeks of the course are devoted to practice teaching and weekly periods are spent in the demonstration classrooms of Macdonald High School.

The requirements for admission to the course are an acceptable honours degree from an approved university, or a general degree which includes the following courses:

(1) First year courses in English and *four* of the following subjects—French, Geography, History, Mathematics, Latin, Biology, Botany, Chemistry, Physics, Zoology, another acceptable ancient or modern language.

(2) continuation courses in at least two of the First year subjects listed above.

Candidates for Quebec diplomas are required to be Canadian citizens and to be free from physical defects likely to interfere with their duties as teachers. The course is given at Macdonald College.

Second and Third Class Diploma Courses

Two courses are offered for the Second Class diploma: a one-year course for candidates holding the Senior High School Leaving certificate, and a two-year course for those wishing to combine the academic subjects of the first year in the university with extended professional training.

A two-year course leading to the Second Class Diploma and the Special Certificate in Physical Education is offered to students holding the Junior High School Leaving Certificate who wish to specialize in this field. The curriculum is the same as that offered in the first and second years of the B.Ed. course.

The course leading to the Third Class Diploma is offered for students with the Junior High School Leaving Certificate with a pass in ten papers. An English course and certain teaching prerequisite courses are prescribed, in addition to courses in Child Development and the History of Education and in general and special subject methods.

Specialist training for kindergarten work may be obtained through a one-year course (Third Class Diploma), a two-year course (Second Class Diploma), or the four-year B.Ed. course. Special courses include the psychology of early childhood and the history and theory of the kindergarten, and special training is given in art, handicrafts and music. Students receive practical training in the kindergarten at Macdonald High School, in the Protestant schools of Greater Montreal, and in the Montreal Day Nursery.

These courses are given at Macdonald College.

ADMISSION REQUIREMENTS AND PROCEDURE

Candidates for entrance to the B.Ed. and B.Ed. (P.E.) courses must meet the matriculation requirement of 70% in a Science course or 65% in a Latin course. The following papers are required:

No. of Papers	Subject
2	English
1	General History
2	Latin or Greek
2	French; Latin; German; Spanish
2	Elementary Algebra and Elementary Geometry

1 *One* of the following optional papers: Biology, Botany, Chemistry, Drawing, Geography, Canadian or British History, Physics, Music, Intermediate Algebra, Trigonometry, Agriculture, Home Economics, North American Literature, *or* a foreign language not already chosen.

OR

The candidate must pass similar papers in the University's Junior School Certificate Examination and normally obtain at least 70% on the examination as a whole.

Candidates for admission are required to meet the Admissions Committee of the School for Teachers before their applications are approved. These interviews will be arranged during the first week of the session.

Note: Candidates for entrance to the course leading to the degree of B.Ed. who present the Quebec High School Leaving Certificate as an alternative for McGill Matriculation may include the following among the optional papers in: Agriculture, Home Economics, and North American Literature. Candidates for admission are also required to meet the Admissions Committee of the School for Teachers before their applications are approved. These interviews will be arranged during the first week of the session.

Requests for information and application forms should be addressed to:

The Director
Institute of Education
Macdonald College, P.Que.

Candidates for Quebec diplomas must make application to the Central Board of Examiners, Quebec. The necessary forms may be obtained through the Institute of Education and, when completed, should be addressed to:

The Secretary
Central Board of Examiners
Department of Education
Parliament Buildings
QUEBEC

All applications are to be submitted before June 30th each year.

FEES

The University reserves the right to make changes without notice in its published scale of tuition, board and room and other fees. Fees are not refundable except under special conditions.

1. TUITION FEES.

These fees include all the regular charges for registration, laboratories, libraries, Health Service, student activities.

M.A.(Education)	$500
Diploma in School Supervision	275
B.Ed. and B.Ed.(P.E.) 1st year	225
2nd year	225
3rd year	550
4th year	550
Diploma Courses	225

2. SPECIAL FEES AND PENALTIES.

Student Teachers' Society (all students)	$ 1
Late registration (unless excused by the Director)	5
Late payment (after specified date)	2
Conferring degree or presentation of diploma in absentia	10
Duplicate diploma	10
Transcript of record	1
Supplemental examination, per paper	2

3. STUDENT ACTIVITY FEE—Macdonald College

There are various student activities, such as the athletic associations, literary and debating societies, publications, class societies, etc., which the students are expected to support. The affairs of these organizations are in the hands of the students themselves and their operations are financed from a student activity fee of $16.00 *which is included in the tuition fee.* The distribution of this fee is as follows: Students' Council $1.50; recreation centre $1.00; accident insurance $2.50; student organizations $11.00.

4. BOARD AND RESIDENCE (per session, exclusive of Christmas vacation)

Macdonald College	$575
Macdonald College non-resident charge for luncheon (optional), per term	35
McGill University residences (Douglas and Wilson Halls)	685
(Royal Victoria College)	730

DIVISIONS OF THE INSTITUTE:

DIVISION 1: General Education
DIVISION 2: Foundations of Education
DIVISION 3: Methods of Instruction
DIVISION 4: Practice Teaching
DIVISION 5: Graduate Studies and Research
DIVISION 6: Physical Education

BACHELOR OF EDUCATION

Division 1	Division 2	Division 3	Division 4
FIRST YEAR			
English 101, 116 Economics 100 French 100 Maths 111, 112 *or* Latin 100 Physical Education 1	Ed. 105 Educational Psychology Ed. 200 History of Education	Ed. 110 Special Subject Methods Ed. 112 General Teaching Methods	Ed. 120 Practice Teaching
SECOND YEAR			
English 100B, 225 2 options	Ed. 205 The Child at School	Ed. 112 General Teaching Methods Ed. 111 Special Subject Methods	Ed. 220 Practice Teaching
THIRD YEAR			
2 continuation subjects 1 option	Psychology 33 or 34 *or* Sociology 210 *or* Anthropology 220	Ed. 310 Educational Measurement	Ed. 320 Diagnostic and Remedial Procedures
FOURTH YEAR			
2 continuation subjects 1 option	Ed. 400 Philosophy of Education	Ed. 410 Curriculum Development	Ed. 420 Internship

BACHELOR OF EDUCATION (Physical Education)

Division 1	Division 2	Division 3	Division 4
FIRST YEAR			
English 100, 116 Economics 100 Biology 100 Maths 111, 112 *or* Latin 100	Ed. 105 Educational Psychology Ed. 200 History of Education	Ed. 115 Physical Education in the Elementary School	Ed. 125 Practice Teaching
SECOND YEAR			
English 225 Anatomy 100 1 option Music 2	Ed. 206 Special Studies of the Child at School	Ed. 112 General Teaching Methods Ed. 215 Physical Education in the Junior High School	Ed. 225 Practice Teaching
THIRD YEAR			
2 continuation subjects 1 option	Psychology 33 or 34 *or* Sociology 210 *or* Anthropology 220	Ed. 315 Physical Education in the Senior High School	Ed. 325 Senior High School Practice Teaching
FOURTH YEAR			
2 continuation subjects 1 option	Ed. 400 Philosophy of Education	Ed. 415 Community Programs	Ed. 425 Internship

First Class Diploma (Postgraduate)	Second Class Diploma (One Year)	Third Class Diploma (including Kindergarten)
Division 1	**Division 1**	**Division 1**
English 500	English 101B, English 225	English 100B
Teaching Prerequisites	Teaching Prerequisites	Teaching Prerequisites
Division 2	**Division 2**	**Division 2**
Ed. 500 Development of Educational Institutions	Ed. 100 Educational Psychology	Ed. 1 Child Development
Ed. 501 Educational Psychology	Ed. 200 History of Education	Ed. 2 History of Education
Ed. 502 Philosophy of Education	Ed. 205 The Child at School	
Division 3	**Division 3**	**Division 3**
Ed. 510 General Teaching Methods	Ed. 111 Special Subject Methods	Ed. 111 Special Subject Methods
Ed. 511 Special Subject Methods	Ed. 112 General Teaching Methods	Ed. 112 General Teaching Methods
		Ed. 11 Kindergarten Theory and Practice (K)
Division 4	**Division 4**	**Division 4**
Ed. 520 Advanced Practice Teaching	Ed. 120 Practice Teaching	Ed. 120 Practice Teaching

COURSES OF LECTURES:

(3) Third Class

(2) Second Class

(1) First Class

(F) Freshman two-year course

(S) Sophomore, two-year course

DIVISION I: GENERAL EDUCATION

Professors

FRANK K. HANSON, *Chairman*
C. WAYNE HALL
F. CYRIL JAMES
DAVID C. MUNROE
WILLIAM ROWLES
(*Agriculture*)

Associate Professors

ERIC O. CALLEN
(*Agriculture*)
S. C. M. HAWKINS
ARTHUR M. HENRY
FRANK O. MORRISON
(*Agriculture*)

Assistant Professors

RUTH DUNCAN
A. ELIZABETH JAQUES
H. MORRISON
R. VOGEL

Lecturers

F. A. C. DOXSEE
G. O. HENNEBERRY
(*Agriculture*)
R. GOLD
KELSEY JONES
(*Faculty of Music*)
J. W. KERR
G. MICHIE
DOROTHY NICHOL

ANATOMY 100: Functional Anatomy and Human Biology.
3 lects. a week. (2BDP)

BIOLOGY

100. Botany: Introductory Botany 2 lects., 2 labs. a week (2BD)
Zoology: General Zoology 2 lects., 2 labs. a week (2BD)

CHEMISTRY

110. Inorganic Chemistry 3 lects., 2 labs. a week (2B, 2D) *Mr. Henneberry*

ENGLISH COMPOSITION

101. A course in oral English designed to assist student teachers in improving their voice, diction and delivery and to instruct them in the techniques of discussion and the conduct of meetings. (FBDP)

1 hour a week *The Staff*

100B. Advanced work in grammar, usage and composition as a background to classroom teaching. (3, 2BDP)

1 hour a week. *The Staff*

500C. A practical course in oral and written expression designed to assist the student in classroom work. (1G)

1 hour a week. *The Staff*

101B. A combination of 100B and 101. (2S)

1 hour a week. *The Staff*

ART 100

A fine arts course devoted to the development of the student's understanding and skill in painting and drawing. Landscape, still-life and figure drawing are studied in the course in a variety of media. Three hours a week. This course is open to Second year students only.

ENGLISH LITERATURE

116. A study of forms in literature from Anglo-Saxon times to about 1880. (F)

2 hours a week.

MODERN LITERATURE

225. Readings and discussions of work of British, Canadian and American writers from 1880 to the present. (2BDP2S)

2 hours a week. *Professor Hall*

FINE ARTS

100. The aim of this course is the development of an awareness of art forms through the stimulation of a sense of design, a sense of the graphic and plastic. The course will include sketching and painting, as well as experience with other media, art criticism, and the study of design as exemplified in interior decoration, pottery and furniture and textiles.

Three hours a week. (2BDP) *Professor Jaques*

FRENCH

100. French is used exclusively by lecturer and students in this course.

(a) *Travail oral:* The aim of this section of the course is to increase fluency, accuracy, and precision in speaking French. Assignments vary according to the interests and capabilities of the students.

(b) *Explication de textes:* A study, gauged to the achievement level of the students, of a novel of French Canada. The primary object is to master the story and to appreciate the atmosphere of French Canada as portrayed in the novel. Subsequently a detailed analysis is undertaken.

(c) *Cours de civilisation:* A survey course of French history; biographical and literary aspects are stressed. (2B, 2D)

3 hours a week. (FBD) *Professor Hawkins*

GEOGRAPHY

211. **Introduction to Human Geography.** The relation of early man to the environment; the beginnings of agricultural and pastoral economies. The major physical zones of the earth, the varieties of human society typical of each, and the place of each zone in world trade and food production. (2B, 2D)

3 hours a week. *Mr. G. Michie (Faculty of Arts and Science)*

HISTORY

100. **Economic History.** A survey of the evolution of economic institutions from the ancient empires in Sumaria and Egypt to the outbreak of war in 1939. The course reviews the continuity of economic activities from the early empires through Greece and Rome; the manorial organization of the early Middle Ages; the revival of towns, commerce and financial institutions; the widening of geographical and intellectual horizons; the industrial revolution and colonization; the economy of the 19th century; the first world war and the breakdown of the war economy after 1931. (F)

3 hours *Professor James*

200. Mediaeval Life and Institutions. (2B, 2D)

Mr. R. Vogel (Faculty of Arts and Science)

LATIN

100. *Texts:* Petrie, Latin Reader; Bonnie and Niddrie, Latin Prose Composition. (F)

3 hours a week. *Mr. R. Gold (Faculty of Arts and Science)*

200. *Texts:* To be announced. (2B, 2D)

3 hours a week. *Mr. R. Gold*

MATHEMATICS

111a. Plane Trigonometry. (F)

112b. Algebra. (F)

3 hours a week. *Professor Henry*

220. Calculus. (2B, 2D) *Professor Rowles*

MUSIC

100. *Prerequisite:* Rudiments of Music (Junior Grade, McGill or equivalent standing, or entrance examination).

(*a*) *History.* A survey of the development of musical styles, composers, and works for the period 1600-1900.

(*b*) *Form and Analysis.* Elementary principles of form. 17th and 18th century forms. Analysis of short piano works.

(*c*) *Harmony.* Transposition; key and time; harmonic analysis; melody harmonization (root and first inversion triads; dominant 7th in root form; cadential six-fours); dominant 7ths in all positions.

(*d*) *Aural training.* Intervals and chords; dictation in simple time; simple modulation; melodic analysis; sight reading. (2B, 2D)

3 hours a week. *Dr. Jones (Faculty of Music)*

PHYSICS

112. General Physics.

3 lects., 1 lab. a week. (2B, 2D) *Professor Rowles*

PHYSIOLOGY

201. The Physiology of man. (2P)

TEACHING PREREQUISITES

Terminal courses which offer training in skills and enrichment of background necessary for teaching purposes. One hour weekly for each course. (3, 2S, 1G)

Arithmetic 1 *Professor Crook*

Art 1 *Professor Jaques*

French 1 *Professor Hawkins and Miss Duncan*

Music 1 *Professor Hanson and Miss Duncan*

Physical Education 1

Science 1 (Geography, Health, Science) *The Staff*

Scripture 1 *Mr. Doxsee and Mr. Kerr*

TUTORIALS AND ENTRANCE TESTS

It is recommended that all students prepare themselves for entrance tests which are conducted the first week of the session. The limits of the tests are as follows:

English: Parts of speech, case, sentence construction, clauses and phrases.

French (written): Translation (English to French) involving commonly used tenses; regular, "family", and irregular verbs; simple grammatical constructions and idioms. *Limits*—Grade XI (the greater part of the material on the level of Grades VIII and IX).

Music (written): Lines and spaces, note values, rests, simple and compound time accents, major keys up to four sharps and flats, knowledge of piano keyboard, tonic sol-fa equivalents for major scale.

Arithmetic: Addition, subtraction, multiplication, and division of whole numbers and simple fractions; solution of simple problems involving the foregoing computations. *Limits:* Grade VIII. *Text:* Buswell, Brownell and John, Living Arithmetic (Ginn).

DIVISION II: FOUNDATIONS OF EDUCATION

Associate Professor	J. E. M. Young, *Chairman*
Professors	D. C. Munroe
	J. S. Thomson
Associate Professor	A. B. Currie
Assistant Professors	Frances E. Crook
	Marguerite Horton
	Paul E. Nash
	Muriel Tomkins
	Miles Wisenthal

EDUCATION 1—Child Growth in School

A study of the general characteristics of physical, social, and emotional development in children.

Elementary educational and child psychology. Testing and measurement. Mental health and education guidance. (3)

3 hours a week.

Professor Young
Professor Wisenthal

EDUCATION 2—History of Education

A brief survey of the development of education in Europe and America. (3)

1 hour a week.

Professor Munroe
Professor Wisenthal

EDUCATION 105—Educational Psychology

A study of the general characteristics of physical, social, and emotional development in children. Elementary educational and child psychology.

Growth and development of children through adolescence. Psychology of learning. Individual differences. Growth and development of personality. Testing and measurement. Mental hygiene and educational guidance. (F, 2)

2 hours a week.

Professor Crook

EDUCATION 200—**The History of Education in Western Society**

The history of education in Europe and America including a comparative study of the systems of public education in the countries of western Europe, in the United States, and in Canada. (F and S)

3 hours a week. *Professors Munroe, Currie, Nash and Wisenthal*

(*Offered also at McGill*)

EDUCATION 205

A study of the special problems of organization, instruction, motivation, discipline, and extra-curricular activities at representative grade levels in the elementary school, based on observation and the development of anecdotal records and case histories.

3 hours a week (1 lecture, 1 two-hour laboratory period). (S)

Professors Young and Duncan

EDUCATION 206. (2BP, 2DP)

Similar to Education 205, based on observation of gymnasium classes.

Professor Wilkinson

EDUCATION 300—**Comparative Education**

The evolution of educational theory and practice in Europe. The development of modern educational institutions in European states and their adaptation in colonial societies. Educational practice in Canada and the United States, the development of education in the new states of Asia and Africa (open to students in their 3rd and 4th year.)

3 hours a week. (*Given at McGill University*)

Professors Munroe and Nash

EDUCATION 301—**Introduction to Teaching**

(a) Major philosophies of education and their influence on educational programmes today.

(b) Basic principles of learning and teaching with practical application to lesson-planning, lecturing, testing, etc.

2 hours a week. (*Given at McGill University*) *Professor Horton*

EDUCATION 400—**Philosophical Foundations of Education**

An examination of significant philosophical ideas which have influenced Western education.

3 hours a week. (*Given at McGill University*) *Professor Thomson*

EDUCATION 500—**The Development of Educational Institutions**

A study of educational development and institutions in various countries, with special emphasis on the evolution of modern practices (1)

2 hours a week, winter and spring terms.

Professor Munroe

EDUCATION 501—**Educational Psychology**

A study of the general characteristics of physical, social, emotional and intellectual development, the psychology of learning and the growth and development of personality, with special emphasis on the problems of adolescence. (1)

3 hours a week. *Professor Young*

EDUCATION 502—**Philosophy of Education**

An examination of significant philosophical ideas which have influenced Western education.

2 hours a week. *Professor Nash*

DIVISION III: METHODS OF INSTRUCTION

Professors
C. Wayne Hall (*Chairman*)
Frank K. Hanson

Associate Professors
Alexander B. Currie
S. Christopher M. Hawkins
Arthur M. Henry

Assistant Professors
Phyllis Bowers
Frances Crook
Ruth Duncan
Marguerite Horton
Elizabeth Jaques
Harry D. Morrison
Muriel Tomkins

Lecturers
Shirley McNichol
Dorothy Nichol
Eigil D. Pedersen

EDUCATION 11

The origin and development of Kindergarten and Nursery School Programmes.

5 hours a week. (3K, 2BDK) *Professor Bowers*

EDUCATION 110—**Introduction to Classroom Teaching**

1 hour a week, first term. (FBD) *Professor Hall*

EDUCATION 111—**Subject Methods**

(a) French. (3) 2 hours a week. *Professor Hawkins*
(2BD, 2S) 2 hours a week second term.
(b) Health and Physical Education *Miss Nichol*
(c) Music *Professor Hanson*
(d) Art *Professor Jaques*

EDUCATION 112—**Classroom Methods and Management**

Curriculum development, lesson planning and general methods of instruction in basic subjects; classroom observation; school law.

5 hours a week. (3, F. 2S) *The Staff*

EDUCATION 310—**Educational Testing and Measurement**

The preparation and use of objective tests by the classroom teacher. Interpretation of test results and their use in improving instruction.

3 hours a week. (JB) *Professor Crook*

EDUCATION 410—**Special Curriculum Programmes**

3 hours a week. (1B) *Professor Currie*

EDUCATION 411—**General Instructional Practice** (For students in Music, and in the Teaching Option, B.Sc.(H.Ec.) course).

EDUCATION 510G—**General School Practice**

Curriculum organization, lesson planning, teaching methods and media, classroom observation; school law and administration. (1G)

5 hours a week. *Professor Hall*

EDUCATION 511—**Special Methods**

2 hours a week. (1G)

(a) French *Professor Hawkins*
(b) Health and Physical Education *Miss Nichol*
(c) Music *Professor Hanson*
(d) Art *Professor Jaques*

DIVISION IV: THE PRACTICE OF TEACHING

Associate Professor ARTHUR M. HENRY, *Chairman*

All members of the staff assist in the supervision of practice teaching.

EDUCATION 120—**Observation and Classroom Practice**

First year students

(a) Observation in suburban and rural schools (September).

(b) Observation and practice in schools of the Protestant School Board of Greater Montreal (January).

(c) Practice in schools of the Protestant School Board of Greater Montreal. (April).

EDUCATION 220—**Practice in School and Community Programs**

(a) Observation and practice in selected rural schools (September).

(b) Advanced practice in suburban schools (May).

EDUCATION 320—**Testing and Remedial Teaching**

Individual and group testing and remedial teaching with Demonstration Staff.

EDUCATION 420—**Internship**

General school practice under selected principals and teachers in September and May.

EDUCATION 520—**Graduate Practice Teaching**

Eight weeks in suburban and city schools.

DIVISION V: GRADUATE STUDIES AND RESEARCH

Professors D. C. MUNROE, *Chairman*
C. WAYNE HALL
F. K. HANSON

Assistant Professors FRANCES E. CROOK
PAUL E. NASH
MILES WISENTHAL

ENTRANCE REQUIREMENTS

First Class Diploma or the equivalent B.Ed. degree with at least second class standing.

Candidates entering with degrees other than the B.Ed. (McGill) must present a degree from an approved university with second class

standing in at least one continuation subject. To meet the requirement for entrance they may take the following courses in a qualifying summer or winter session:

EDUCATION 600—Educational Measurement (Education 310 or 501)

EDUCATION 601—Studies in Educational Thought (Education 400 or 500)

Candidates from other universities may also be permitted to qualify by writing a comprehensive examination in Educational Theory and Practice.

PROGRAM OF THE COURSE

The course begins with a Summer Session in July which is followed by a Winter Session of part or full-time study and a second Summer Session. It may be completed in a minimum of fifteen months.

First Summer

EDUCATION 610—Modern Educational Practice

EDUCATION 611—Methods of Educational Study and Research

Winter Session

EDUCATION 620—Studies in Comparative Education

EDUCATION 621—Thesis Preparation

Second Summer

EDUCATION 630—Modern Studies in Educational Psychology

EDUCATION 631—The Administration of Education in Canada

During the first Summer Session the students will attend seminars in Modern Educational Practice and Methods of Educational Research. The purpose of these studies is to give the candidate a broad and thorough preparation in choosing an area of concentration and subject for the graduate thesis.

During the Winter Session the student will choose one of the following areas of concentration:

1. Methods of Teaching a Special Subject
2. History and Philosophy of Education
3. Educational Psychology and Sociology
4. Educational Administration

Seminars will be held in each of these subjects and the candidate will begin his research project and the preparation of a thesis under the director of research in his special area of study. Monthly seminars will also be held in Comparative Education.

Seminars in Modern Studies in Educational Psychology and the Administration of Education in Canada. These are intended to assist the student in applying his research to modern educational programs and institutions. They will be closely related to the development of education in modern society.

McGILL CERTIFICATE IN SCHOOL SUPERVISION

The McGill Certificate in School Supervision is offered for graduates of a recognized university who wish to qualify for administrative or supervisory positions as principals, inspectors, subject supervisors, or county supervisors. Candidates for the Certificate are required to attend two summer sessions and to participate in seminars and directed study during the intervening winter session. For details, apply to the Director of Summer School, Macdonald College, Quebec.

DIVISION VI: PHYSICAL EDUCATION

Assistant Professors WINONA WOOD, *Chairman*
ROBERT E. WILKINSON
RUTH M. DUNCAN

Lecturer DOROTHY M. NICHOL

EDUCATION 115—Physical Education in the Elementary School

This course deals with the methods and skills necessary for teaching physical education in the elementary school, including suitable gymnasium and outdoor activities based on fundamental principles of movement.

EDUCATION 125—Observation, Classroom and Gymnasium Practice

Similar to 120 until March period, when duties will be partly in classroom and partly in gymnasium.

EDUCATION 215—Physical Education in the Junior High School

This course deals with methods and skills necessary for teaching physical education in junior high school, including rhythms, aquatics, individual and team games and gymnastics.

EDUCATION 225—Advanced School Practice

Classroom and specialized practice in September and May at the junior high school level.

EDUCATION 315—Physical Education in the Secondary School

This course deals with methods and skills necessary for teaching physical education in the secondary school, including team and individual games, gymnastics, dance, and testing and measurement.

EDUCATION 325—**Observation and Remedial Practice**

In classroom and gymnasium in the secondary school.

EDUCATION 415—**School and Community Programs**

This course deals with the problems of organizing school and community programs, including intra-mural and inter-scholastic athletics, community recreation, aquatics, camping, school and community health.

EDUCATION 425—**Internship in general and specialized teaching.**

SPECIAL REQUIREMENTS OF DIVISION VI

All students—*Red Cross Swimming Instructors' Course*

This course is required of all students before completion of Second year.

All Women students—*Basketball Referee Course.*

This course is required of all women students before completion of Second year.

Degree Students only:

**Camping Course*—September 2nd to 8th, at beginning of Second or Third year, in the Laurentian Mountains.

**Ski School*—A week of instruction, in January of the Third year, in the Laurentian Mountains.

*The cost of the Camp Course and Ski School is not included in the tuition fee. This will be approximately $15.00 for Camp Course and $25.00 for Ski School.

Outdoor School—A three-week period in May, at the end of the Third year, including intensive instruction in outdoor activities.

Field Work—After completion of the Second year, students in the B.Ed. (P.E.) course are required to devote a minimum of four weeks to field work during the summer. This field work must be approved by the Chairman of Division VI.

COSTUME AND EQUIPMENT

Regulation costumes must be worn in all physical education classes.

For men these will include sweat suit, shorts, T shirts, teaching greys. The cost will be approximately $40.00 payable at the beginning of the First year.

For women these will include T shirts, shorts, tunic and cotton blouses. The cost will be approximately $25.00 payable at the beginning of the First year.

All students are required to wear white gym footwear. Students are also responsible for providing their own sports equipment including ski equipment, skates, hockey sticks, tennis racquets, etc.

THE STUDENT TEACHING COMMITTEE

KIEL OXLEY, *Protestant School Board of Greater Montreal*
PROFESSOR A. M. HENRY, *Institute of Education* } *Co-chairmen*
PROFESSOR PHYLLIS BOWERS, *Institute of Education, Secretary*
MISS ROSALIE BRIGGS, *Protestant School Board of Greater Montreal*
MR. M. DAVIES, *Headmaster, Macdonald High School*
MR. R. JAPP, *Protestant School Board of Greater Montreal*
MR. W. KYDD, *Principal, Maisonneuve School*
MISS WINONA WOOD, *Institute of Education*
MRS. J. R. MARTIN, *Protestant School Board of Greater Montreal*
MRS. FLORENCE MORRIS, *Assisting Teacher, Summerlea School*
PROFESSOR HELEN NEILSON, *Director, School of Household Science*
MISS MARGARET STEELE, *Assisting Teacher, Sinclair Laird School*
W. J. SARGENT, *Protestant School Board of Greater Montreal*
W. A. WILKINSON, *Protestant School Board of Greater Montreal*

ASSISTING TEACHERS, DIVISION OF PRACTICE TEACHING

Ahuntsic	Miss Adesserman; Mrs. Williams; Mrs. Schlutz; Mrs. Bell; Mrs. Harris.
Alfred Joyce	Mrs. Bercovitch; Miss Moscovitch; Mrs. Posel.
Algonquin	Miss MacLean; Mrs. MacKinnon; Mrs. Macdonald; Mrs. Johnson; Mrs. Trotter; Miss Brock.
Bancroft	Miss Hoffman; Miss Lubin; Miss Goldberg; Miss Gruber; Miss Katz; Mrs. Shaer; Mrs. Knutson.
Bannantyne	Miss Bruce; Miss Titley; Mrs. Chauvin; Mrs. Forbes; Miss Martin.
Barclay	Miss Neil; Miss McGruther; Mrs. Peterson; Mrs. Dortman; Mr. Mandigo; Mrs. Walker.
Bedford	Miss Klein; Miss Protonotarios; Mrs. Diner; Mrs. Yelin; Mrs. Spink; Miss Brock.
Bronx Park	Mrs. Pelley; Mrs. Renton; Miss Beardmore; Mrs. Wiseman; Mrs. Rosenfeld; Mrs. Cross.
Carlyle	Mrs. Smyth; Mrs. Jones; Miss Murray; Miss Norton.
Cartierville	Mrs. Talbot; Mrs. Snider; Mrs. Medland; Mrs. Jackson.

Cecil Newman	Mrs. Ender; Mrs. Orr; Mrs. Turner; Mr. Scarlett; Mrs. Cross.
Central Park	Mrs. Beddows; Mrs. Scarlett; Miss Duncan; Mr. McCallum.
Connaught	Miss Arbon; Mrs. Brooks; Miss Lander; Mr. Herman; Miss Scott.
Coronation	Mrs. Sherman; Mrs. Killen; Mrs. Shenkier; Miss Taylor; Mrs. Asner; Mrs. Quackenbush; Mrs. Symonds.
Courtland Park	Miss Gilmour; Miss Bulford; Mrs. Flood; Mrs. Miller; Mr. Jones; Mrs. Aldhouse.
Crawford Park	Mrs. Frey; Miss Taylor; Mrs. Mulock; Mrs. Oulton; Miss Ellefson.
Devonshire	Miss Godel; Mrs. Herscovitch; Mrs. Kalisky; Mrs. Morrill; Miss Garmaise.
Dorval Gardens	Mrs. Seadale; Mrs. Armstrong; Mrs. Brooks; Miss Williamson; Mrs. Wilson; Mrs. Aldhouse.
Drummond	Mrs. Jackson; Mrs. Green; Miss Reid; Miss McKee; Mr. Haydock; Mrs. Machek.
Dunrae Gradens	Mrs. Orr; Miss Hatfield; Mrs. Boyd; Miss Snape; Mrs. Miller; Miss Findlay; Miss Jones.
Edward VII	Miss Rosenkranz; Miss Steinwald; Mrs. Nozetz; Miss Rosenbloom; Miss Crack.
Elizabeth Ballantyne	Mrs. Maver; Mrs. Shanks; Mrs. Troughton; Miss Field; Mrs. de Cambra; Mrs. Clear.
Elmgrove	Mrs. Shaw; Miss Felsenburg; Miss Smith; Mrs. Richards; Miss Playfair.
Fairmount	Miss Zaitlin; Mrs. Kelman; Mrs. Bercovitch; Miss Lifshitz; Mrs. Lowsky.
Gardenview	Miss Rose; Miss Stern; Mrs. Kula; Mrs. Tucker; Mrs. Thayer; Miss Brock.
Guy Drummond	Miss Nicholson; Mrs. Aldridge; Mrs. Ross; Miss Raptis; Miss Lebofsky; Mrs. Shapiro; Mrs. Cleland; Miss Starck; Miss Farquharson.
Hampstead	Miss Laing; Miss Prew; Miss Dupont; Miss Woolsey; Miss Ferguson.
Herbert Symonds	Miss Walker; Miss Sherwin; Mrs. Hayes; Miss Bostrom; Mrs. Wolfson; Mrs. Tiller.
Iona Avenue	Miss Woodhouse; Mrs. Mullins; Miss Reid; Miss Sulsky; Mrs. Gallay; Miss Brewer; Miss Brown; Mrs. Crites.

John Grant High	Miss Mundy; Miss Tuck; Miss Ferguson; Mr. McGowan.
Kensington	Mrs. Norton; Miss Giles; Miss Vines; Miss Robinson; Miss Webber.
King's	Mrs. Cote; Miss Parker; Mrs. Struk; Miss McCormick; Mr. Davies.
Laurentide	Miss Marshall; Miss Elliott; Miss McConnell; Miss Baum; Mr. Bursey; Mrs. Jelinek.
Logan	Miss Zaritsky; Miss Goodman; Miss Popper; Mrs. H. Frank; Miss Mead.
Lorne	Mrs. Proctor; Miss Esdaile; Mrs. Dawson; Mrs. Newcombe; Mrs. Marchment; Mr. McCallum.
Maisonneuve	Mrs. Alcorn; Miss Keene; Miss Habib; Mrs. Craig; Mrs. Brown.
Maple Hill	Mrs. Silverberg; Mrs. Murray; Mrs. Lozinski; Mrs. Lancaster; Miss Szuzzkowska.
Meadowbrook	Mrs. Drysdale; Miss Parker; Mrs. Millar; Miss Maclagan; Miss Jamieson.
Merton	Miss Martin; Mrs. Litwin; Miss Silverman; Mrs. Charness; Mrs. Barrington; Mr. Mowat.
Montreal West High	Miss Ward; Mrs. Britton; Mrs. Rouleau; Miss Hill; Miss Field; Mr. Norman.
Morison	Mrs. Richardson; Mrs. Lyng; Mrs. Heazel; Mr. Houle.
Mountrose	Mrs. Rosenthal; Mrs. Peto; Miss Pawluk; Miss Cutter; Mr. Zaslowsky.
Nesbitt	Miss Kremin; Mrs. Hedges; Miss Aparks; Mrs. Kellett; Miss Silverstein; Mrs. Scrimgeour; Mr. Sosnicky.
Ogilvie	Mrs. Palo; Miss May; Miss Dubrofsky; Mrs. Brown, Mr. Tidy.
Parkdale	Mrs. Stevenson; Miss Shapiro; Miss Brown; Mrs. Dalys; Mrs. Liberman; Mrs. Jelinek.
Peace Centennial	Miss Goiou; Miss Rosenstein; Miss Emo; Miss Katz; Mrs. Allen; Mrs. Gordon; Mr. Noetzel.
Queen's	Mrs. MacRury; Miss Denison; Miss Atsalinos; Mr. Cameron.
Riverview	Mrs. Sugarman; Miss Magee; Miss Taylor; Mrs. Legge; Mrs. Ford; Miss Graham; Miss Ellefson.

Rosedale	Miss Edward; Miss Bell; Miss Tait; Mrs. Sinfield; Mr. Boswell; Mr. Seary.
Roslyn	Mrs. Rankin; Miss Currie; Mrs. Barr; Mrs. Robertson; Mr. Powter; Mr. Tetreault; Mr. Davies; Miss McMillan.
Royal Arthur	Miss Appugliese; Miss Rossman; Mrs. Dixon; Miss Thompson.
Royal Vale	Mrs. Perry; Miss Badian; Mrs. Wilkinson; Miss Ross; Miss Gardiner; Miss Chaffey; Miss Jones.
Russell	Miss M. Johnston; Miss Schloen; Miss Rubin; Miss Bastin; Mr. Jack.
Sarah Maxwell	Mrs. Fradkin; Mrs. Burns; Mrs. McKelvey; Miss Spevack; Miss Vibert.
Sinclair Laird	Mrs. Ferguson; Miss Wardleworth; Miss Hughes; Miss French; Miss Steele; Mr. Alleslev.
Sir Arthur Currie	Mrs. McGuire; Miss Legge; Mrs. Barth; Mrs. Granda; Miss McConnachie; Mrs. Williams; Mr. Seary.
Somerled	Miss Davies; Mrs. Pozer; Mrs. Friedman; Mrs. Mauer; Miss Parker.
Strathcona Academy	Mrs. Salts; Miss Lyth; Miss Labelle; Miss Watts; Mrs. Boehnke.
Strathearn	Miss McOuat; Miss Laroche; Miss Herschenfield; Mrs. Kwiatkowski; Mrs. Mullally; Mr. Mowat.
Summerlea	Miss Kenworthy; Mrs. Walker; Mrs. Cooper; Miss Martin; Mrs. Gustafson; Mrs. Cloutier.
Surrey Gardens	Mrs. MacDonald; Mrs. Rogers; Mrs. Dawe; Mrs. Cloutier.
Van Horne	Mrs. Fensom; Mrs. Greenwald; Miss Kozlov; Mrs. Wilson; Miss Carson; Mrs. Gilbert; Mrs. Ludemann; Mr. Tibblin.
Victoria	Miss Smith; Mrs. Clemens; Mrs. Elman; Miss Thompson.
Westbrook	Miss Cantor; Miss Bentowski; Mrs. Blankfort; Miss Donald; Mrs. Carew; Mr. Alleslev.
Westminster	Miss Stangle; Mrs. Vallance; Mrs. Taylor; Mrs. Devine; Mrs. Speyer; Mrs. Clayton.
Willingdon	Miss Kerr; Miss Larocque; Miss Whitehouse; Miss Roy; Miss Ramus; Mrs. Cunningham; Miss McKyes.
Woodland	Miss Allen; Miss Inder; Miss Starke; Mrs. Coffin; Mrs. Baldwin; Miss Macdonald.

MACDONALD COLLEGE

GENERAL INFORMATION

Macdonald College, Ste. Anne de Bellevue, Que., is twenty miles west of Montreal, on the main lines of the Canadian National Railway and the Canadian Pacific Railway, and on provincial highways No. 2 and No. 17. The Anglican Church of Canada, the United Church of Canada and the Roman Catholic Church in Canada all have churches in the town. Students of all religious denominations are free to enter Macdonald College. A branch of the Bank of Montreal serves the community.

The College has its own post office and mail should be addressed simply Macdonald College, Que. The address for freight and express parcels, and for telegrams, is Macdonald College, Ste. Anne de Bellevue, Que.

Key telephone numbers are: Switchboard (connecting all departments), Ste. Anne de Bellevue 5335; Brittain Hall, 9082, 9086; Stewart Hall, 9008, 9095; Main Building Dormitory, 9003, 9088; Harrison House, 4407.

FACILITIES

Sir William Macdonald planned so well for future needs that the facilities of Macdonald College for instruction in Agriculture, Home Economics and Teaching are still provided almost entirely in the buildings constructed in 1905. The picturesque brick buildings and red-tile roofs of the Chemistry, Biology, Agriculture and Main Buildings, together with Stewart and Laird Halls (residences for women) and Brittain Hall (residence for men), and the well laid out grounds on the shore of Lake St. Louis, combine to provide a campus which is attractive and functional.

Laboratory and lecture rooms are exceptionally well supplied with modern and efficient teaching facilities, while the reference section of the Library and the research laboratories associated with the various science departments are well equipped to permit the vigorous investigation of problems connected with postgraduate studies.

The land associated with the College consists of approximately 1600 acres, at the western end of the Island of Montreal, and is largely in the Parish of Ste. Anne de Bout de l'Isle, Jacques Cartier County. The campus proper consists of about 200 acres south of the Metropolitan Boulevard.

The Morgan Arboretum, established in 1947, has 700 acres of woodland devoted to the study of woodlot management and the place of the woodlot in the Eastern Canadian farm economy. About 100 acres have been planted in reforestation projects. In addition, the Arboretum, in spite

of its short history, has Canada's best collection of examples of all Canadian and many foreign species of trees and shrubs of interest from the point of view of pulpwood, timber and landscaping.

THE MACDONALD COLLEGE LIBRARY

The library and reading room are centrally located in the Main Building, occupying the ground floor of an annex leading off the main hall.

The present stack-room has accommodation for about 25,000 volumes, and the choice of books has been directed towards bringing together the best of modern literature on subjects of the curriculum of the College.

The Walter M. Stewart Collection includes biography, history, travel, science, etc. This collection has been purchased through the generosity of Walter M. Stewart, of Montreal.

RESIDENCE

Men students in residence live in Brittain Hall, named in honour of Dr. W. H. Brittain, Vice-Principal of Macdonald College from 1935 to 1955. One residence for women is named Stewart Hall in honour of Mr. and Mrs. Walter M. Stewart, long-time friends and benefactors of the College. The other is called Laird Hall in honour of the late Sinclair Laird, Dean of the School for Teachers from 1913 to 1949.

Macdonald College does not have residence accommodation for all the students who enroll, and acceptance of the application for admission to a course of study does not imply that residence accommodation will be available.

Any student wishing to live in one of the College residences must apply for residence accommodation well in advance of the opening of the session. Forms of application for residence accommodation are sent with the regular forms of application for admission to the course.

A deposit of $25.00 must accompany the application for accommodation. If the application is accepted the deposit will be deducted from the payment due on entrance. The College guarantees to refund the deposit if the application is refused, or is cancelled by the applicant at least three weeks prior to the date of registration for the course concerned.

All students who have been in residence during the session must apply for re-admission for the following year, and make a deposit of $25.00, before leaving at the end of the session, should they wish to have space reserved for them. This deposit will be refunded if the application is not accepted, or is cancelled by the applicant three weeks prior to the date of registration for the course in which he or she is enrolled. If the application is accepted, the deposit will be deducted from the payment due on entrance.

A number of rooms are available in private homes in Ste. Anne de Bellevue; a list of these may be obtained from the Registrar's Office. Most are located within a few minutes' walk of the College. Students rooming out may have all their meals in the College dining room and participate fully in all regular College activities.

All students, whether living in residence or not, are registered in one or other of the Halls of Residence, as well as in their respective Faculties or Schools.

Students of the Institute of Education who live in Montreal may apply for permission to commute daily between Montreal and the College.

Due to the necessity of accommodating conventions and short courses during the summer months, resulting in a limited time available for repairs and cleaning, no student will be admitted to residence before the date set for registration in the course for which he or she has been accepted. Nor may a student remain in residence after the session ends, nor during the Christmas holidays. Exceptions to this rule will be made in the case of certain student officers whose duties require their presence before the opening date, members of the football team who have been accepted for pre-season training, students preparing for supplemental examinations and other students under exceptional circumstances by permission of the Warden.

Students who have reserved accommodation and who are returning early to write, or prepare for, supplemental examinations may enter residence, by special permission, not earlier than one week before the date of their first examination. Application for early accommodation must be sent with the application for supplemental examination before September 1st. The charge for room and board for this period will be $12.50 for a week or any part of a week.

Students may not invite relatives or friends to stay overnight in the residence without permission from the Housekeeper or Warden of Residence.

For the admission of visitors to the Dining Room tickets must be purchased at the Dietitian's Office, Stewart Hall, at the Administration Office in the Main Building, or from the doorman on duty.

Students are held responsible for the care of their rooms and of their furnishings.

Students are recommended to mark clearly, before coming to the College, all articles of wearing apparel, sheets, pillow cases, etc.

Detailed regulations are printed separately and issued to students after arrival.

ROOM FURNISHINGS

Bedrooms are furnished with closets, beds, mattresses, blankets, pillows, and the necessary furniture.

Each student is expected to provide his or her own laundry bag, toilet soap, drinking glass; four sheets, about 90 inches long, 60 inches wide; two pillow covers, 34 inches long, 20 inches wide; hand towels and bath towels; flashlight.

Each room is provided with picture moulding. Students are permitted to bring rugs, pictures, etc., but are not allowed to drive tacks or nails into walls or woodwork, nor to paste pictures on the walls.

Women students are required to provide sash curtains and curtain rods for the windows in their rooms.

CONDUCT AND ATTENDANCE

The general responsibility for the maintenance of discipline in each residence is vested in a Warden, but, through a system of self-government, students are encouraged to accept the greatest possible amount of responsibility in connection with their own affairs. Enforcement of necessary regulations, exaction of disciplinary measures, and regulation of conduct *in and out of residence*, is largely in the hands of a House Committee for each residence, elected by the students from among their own number.

Matters of discipline connected with or arising from the general arrangement for teaching within a Faculty or School are under the jurisdiction of the Dean of the Faculty or Director of the School concerned.

Students may be admonished by a professor or instructor for improper conduct and may be reported to the Dean or Director concerned. If considered advisable, such conduct shall be reported to parents or guardians.

Students found guilty of immoral, dishonest, or other improper conduct, the violation of rules, or of wilfully causing damage to persons or property, shall be liable to College discipline, which includes the power of expulsion (subject to the approval of the Senate of McGill University), of suspension from classes or residence (also, in the case of women students, confinement to residence), of exclusion from all College functions, including class or society meetings, plays, dances, etc., of disqualification from competing for honours or prizes, and of levying fines. Fines may also be imposed or assessments made for damages made by individuals or groups of students.

Bringing liquor into the College is considered a serious breach of discipline, and students who indulge in the use of liquor, or who frequent places where it is sold, may be required to withdraw from the College.

Students are not permitted to bring firearms into their rooms, nor is the use of firearms allowed on the College grounds.

The Ottawa River on which the College is situated is considered unsafe for bathing and students who go swimming or boating do so at their own risk.

Hitchhiking is not permitted.

Gambling is not permitted on College property.

Unauthorized entrance to Stewart Hall or Laird Hall by men students, or to Brittain Hall by women students, will result in immediate suspension of the guilty persons, followed by expulsion proceedings.

Students are requested not to make application for additional leave either before or after holiday periods, as such leaves can be granted only in case of illness or other exceptional circumstances.

For late registration or for absence from classes on the last day before or the first day following a holiday period, there will be a penalty of $3.00 for each day or part of a day.

During illness students are under the direction of the Medical Officer and may not leave the residence or infirmary without his permission.

Punctual attendance at all classes, laboratory periods, tests, etc., is expected of all students. Absences can only be excused on the ground of necessity or illness, of which proof may be required. Special attention is called to the fact that the completion of all laboratory work is obligatory and the opportunity to make up work missed can only be provided in the case of properly excused absences.

The College has the power to refuse examinations to those students who persist in absenting themselves from classes without permission.

Any student who is unwilling to submit cheerfully to the restrictions of college life, whose conduct does not furnish satisfactory evidence of diligence and earnestness of purpose, or whose work is definitely unsatisfactory, may be placed on probation, or may be required to withdraw from the college.

Degrees of probation are as follows:

Probation 1 The student is permitted to remain on trial, subject to satisfactory work and conduct.

Probation 2 The student is not allowed to participate in competitive events, nor to take part in plays or other activities involving undue loss of time.

LEAVE OF ABSENCE

WOMEN STUDENTS

In order to avail themselves of leave privileges, women students in residence must present at the beginning of the session a form signed by parent or guardian giving general permission or specifying the manner in which leave may be spent. Forms for this purpose, and details of leave allowances, are sent to all students.

The amount of leave permitted is based on the student's year. A student is entitled to the leaves accorded those in her year only while in good academic standing. Conditioned students in the Second, Third or Fourth year have the allowances granted to the year below.

Except in cases of emergency, telephone messages or telegrams requesting leave of absence for women students will receive no consideration.

Students wishing to stay at hotels, lodges, etc., while on leave, or to go on skiing trips, are required to have the written consent of their parents to do so.

On no account shall a student be absent from college without having complied with the regulations regarding registration of leaves, or without the knowledge and consent of the Warden. Absence from College without permission is a serious offence which renders the student liable to instant suspension or dismissal. If prevented from returning after an absence, due to illness or other cause, students must advise the Warden immediately, and these students must report to the Warden's office immediately upon their return.

Students are urged to have dental work attended to before entrance, though dental appointments will be allowed in cases of urgency. Appointments to visit a physician are allowed on production of a letter from the physician indicating the date and hour of the appointment.

All correspondence regarding the conduct of women students in residence should be addressed to The Warden, Stewart Hall, Macdonald College, P.Q.

MEN STUDENTS

First Year Diploma and Degree students must obtain permission from the Dean should they wish to have overnight leave of absence. All students who expect to be absent from the College should leave some record of their movements.

VISITORS

Women students in residence may receive visitors any day between the hours of 4.00 and 6.00 p.m. and from 7.00 until 9.00 p.m., and at any time up to 11.45 p.m. on Saturdays. Visitors may be shown over the Residence only on Saturdays, except in the case of parents or friends from a distance. Guests may be entertained in the Reception Rooms and the Common Room; only parents and women friends may be shown students' bedrooms.

Women visitors to Brittain Hall may be entertained in the Reception Rooms only.

MISCELLANEOUS EXPENSES

STUDENT ACTIVITIES

There are various student activities at the College, such as the athletic associations, literary and debating society, publications, class societies, etc., which the students are expected to support. The affairs of these organizations are in the hands of the students themselves and their operations are financed from the student activity fee which is charged all undergraduate and graduate students, and all partial students registered for three or more full courses. These fees are listed on page 4812.

LAUNDRY SERVICE

Weekly laundry service at moderate prices is provided by a Montreal laundry to which students may send their personal washing, sheets, pillow covers, and towels. Printed lists will be furnished, two copies of which, properly filled out, must accompany each parcel. Fully equipped laundry rooms are also provided in each residence for students' use.

HEALTH SERVICE

The College Health Service provides medical examinations for all men and women students at the beginning of each session. The examination for students entering for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

All examinations are by appointment after registration. The examination is compulsory for all students. Any student who fails to keep this appointment is subject to later examination for which a charge of $2.00 is made. Any student who fails to have a medical examination by the Health Service is subject to disciplinary action by the University authorities.

Medical and nursing attendance, major operations and illness excepted, will be provided to all students while in attendance at the College.

If a student's admission to a city hospital is ordered by the College Medical Officer, one half of all public ward charges is paid by the College, provided that the total obligation assumed by the College does not exceed $125.00 in any one session for any one student. Should a student desire private accommodation, the difference in cost must be borne by him.

This contribution towards hospital expenses is made only when the illness or other condition requiring hospital treatment was not present or was unknown or undetected at the time of admission.

During the session, all students are covered by a group accident insurance policy, the premium for which is included in the student activity fee.

BOOKS

The prescribed textbooks, and classroom and laboratory supplies, may be purchased at the College Book Shop.

APPLICATION FOR RESIDENCE ACCOMMODATION

Students wishing to live in residence at the College must apply for residence accommodation before June 30th. A form for this purpose is sent with the form of application for admission.

McGILL UNIVERSITY

Information regarding admission, residence, health service, etc., will be found in the bulletin of *General Information* which is enclosed with this Announcement.

SCHOLARSHIPS, BURSARIES, LOAN FUNDS

A list of scholarships, bursaries and student loan funds may be obtained on application.

SPECIALIST PROGRAMS

Agricultural Specialist Certificate Course (see Announcement of Macdonald College), **Household Science Specialist** (see Announcement of Macdonald College), **Music Specialist** (see Announcement of Faculty of Music).

Military Training

CANADIAN OFFICERS TRAINING CORPS

McGILL UNIVERSITY CONTINGENT

GEN. THE HON. A. G. L. MCNAUGHTON, C.H., C.B., C.M.G., D.S.O. — *Honorary Colonel*

LT.-COL. J. M. MORRIS, M.C., V.D. — *Honorary Lieutenent Colonel*

LT.-COL. J. B. BIRD — *Commanding Officer*

CAPTAIN N. LAWSON — *Officer Commanding Macdonald College Detachment*

CAPTAIN H. R. PHILIPS — *University Support Officer*

1. GENERAL

The McGill University Contingent C.O.T.C., is the oldest university unit for the training of army officers in North America, having been officially established on 1st November 1912. Its offices and mess are located in the Sir Arthur Currie Memorial Gymnasium-Armoury.

The purpose of the training it offers is to qualify a selected number of undergraduates for a commission in one of the corps of the Canadian Army (Regular or Militia). Applicants may choose the corps in which they wish to be commissioned, within limits set by the educational requirements of certain corps and by the number of vacancies available in each corps.

2. ELIGIBILITY

Any male student may apply provided that:

(a) He is a Canadian citizen by birth or naturalization, or a British subject resident in Canada possessing the certificate of a landed immigrant. A student visa is not acceptable.

(b) He is at least 17 years of age, and able to complete 2 years of training before reaching the age limit of the corps for which he is applying.

(c) He meets the physical requirements of the corps for which he is applying.

(d) He is registered as a Regular Undergraduate.

(e) He is able to complete two summers' training at an army training centre before graduation from the University unless he is certain that he is going to take graduate work.

All applicants will be required to state in their written application that they are willing to complete the minimum programme of training, if accepted.

3. TRAINING

The training consists of:

(A) WINTER (THEORETICAL) TRAINING

A minimum of two Theoretical Phases of training must be completed; a third Theoretical Phase is optional. This third Theoretical Phase is prerequisite to the third Practical Phase. The training consists of lecture-courses given on one night a week during the winter, as follows:

First Theoretical Phase (First Winter)

Introduction to the Army
Military Law
Leadership

Second Theoretical Phase (Second Winter)

Tactics
Staff Duties
Organization and Administration of the Army in Canada
Leadership

Third Theoretical Phase (Third Winter)

Military History
Tactics
Organization and Administration of the Army in Canada
Leadership

(B) SUMMER (PRACTICAL) TRAINING

A minimum of two Practical Phases of training must be completed; a third Practical Phase is optional, but highly recommended. Each phase consists of up to 22 weeks' training during the summer at the training centre of the corps in which the applicant is enrolled. These centres are located throughout Canada from Valcartier, Quebec, to Victoria, B.C.

In addition, selected student officers in their Third Practical Phase proceed annually to train with the Canadian Army Brigade in Germany.

4. STATUS AND PAY

Applicants who are accepted are given the rank of Officer Cadet and the status of Second Lieutenant. The rate of pay for Officer Cadets during the Practical Phases of training in the summer is $210.00 a month. In addition, board, quarters, medical care, and transportation to and from the training centre are provided free.

Officer Cadets receive $3.50 for each parade night attended during the winter up to a maximum of $112.00 (16 days' pay).

5. QUALIFICATION AND COMMISSIONING

Officer Cadets who complete the First and Second Practical and Theoretical Phases of training are qualified for the rank of Second Lieutenant in the Militia. The completion of the Third Practical and Theoretical Phases as well qualifies an Officer Cadet as Lieutenant in the Militia or in the Regular Army upon graduation from a degree course.

When the necessary military training requirements have been completed, Officer Cadets may apply for commissions in the Regular Army or in the Militia. If they do not choose either of these alternatives, they will be posted in commissioned rank to the Supplementary Reserve.

6. NON-MILITARY ACTIVITIES

The facilities of the Contingent Mess situated in the Sir Arthur Currie Memorial Gymnasium-Armoury are available to all members of the Contingent. Various social functions are held throughout the academic year to which Contingent members and their guests are welcome.

7. INFORMATION, APPLICATION AND SELECTION

Requests for further information and applications to join the Contingent should be made at McGill to Captain H. R. Philips, C.O.T.C. Office, Sir Arthur Currie Memorial Gymnasium-Armoury, 475 Pine Avenue West, and at Macdonald College to Captain N. Lawson, Faculty of Graduate Studies.

Applicants who satisfy the requirements listed in Section 2 will be asked to appear before the University C.O.T.C. Selection Board.

Information can also be supplied by the Commanding Officer of the Contingent about the programme under which university students may have their education costs and living expenses subsidized by the Department of National Defence, under the Regular Officer Training Plan (R.O.T.P.)

McGILL UNIVERSITY NAVAL TRAINING DIVISION

Commanding Officer

COMMANDER (S) W. D. MONCUR, R.C.N. (R.)

University Naval Training Divisions have been established to select and train suitable male undergraduates attending Canadian Universities and Colleges for Commissioned Rank in the Royal Canadian Navy. The program enables the Canadian Navy to build up a Reserve of trained

Commissioned Officers of high calibre. Applicants must be 17 years of age, medically fit, and have a sound academic record. At present, the U.N.T.D. administers locally the Regular Officer Training Plan, by which selected candidates are subsidized at University at Public Expense (further details of R.O.T.P. on application).

Students entering the U.N.T.D. remain on a probationary basis until January of the First Winter, at which time a final selection is made. Normally, recruiting is limited to First and Second year students, and ends before November.

REQUIREMENTS FOR COMMISSION

Cadets who successfully complete the U.N.T.D. Course of three Winters and two Summers (minimum) receive an Acting Commission in the Royal Canadian Navy (Reserve). When a University degree is attained, the candidate is confirmed in the rank of Sub-Lieutenant.

Winter training consists of instruction in HMCS "Donnacona" one evening per week. Summer Training requires 14 weeks at either "Halifax" or "Esquimalt," ashore and at sea in one of Her Majesty's Canadian Ships.

Cadets rate of pay is $210.00 per month while in Active Training. During Winter Training, one drill night is considered the equivalent of one half-day's pay at the rate of $210.00 per month. Uniforms, rations, quarters, transportation, medical care are also provided.

NATURE OF TRAINING

Instruction is both theoretical and practical in nature. It is presently being considered by Naval Headquarters that all cadets will be trained as General List Officers for two Winters and two Summers. More specialized training will be given in the third Summer which may be allied as closely as possible to the Cadets' University studies.

Shore-side training is augmented in the fullest extent possible by sea experience. In recent Summers, U.N.T.D. Cadets have visited such places as Gibraltar, Ireland, Great Britain, Southern France, Scandinavia, Alaska, California, Hawaii, Pearl Harbour and the Fiji Islands.

In addition, emphasis is placed on sports of all descriptions, with special stress on sailing.

For further information, apply to:

Commanding Officer, U.N.T.D.,
H.M.C.S. "Donnacona,"
1475 Drummond Street,
Montreal, P.Q.
VI. 2-9022, local 23.

R.C.A.F. McGILL UNIVERSITY RESERVE SQUADRON

WING COMMANDER C. D. SOLIN *Commanding Officer*

1. OBJECT

The RCAF has established the McGill University Reserve Squadron on the campus in order to provide an annual flow of university trained Officers into the Regular and Reserve components of the RCAF.

2. ELIGIBILITY—University Reserve Training Plan (URTP)

To apply for enrolment a student must be:

Between the ages of 16 and 26. (Female applicants must reach 18 before first summer training period.)

Able to complete three summers of RCAF training prior to graduation if applying for the Technical List.

Able to complete at least two summers of RCAF training prior to graduation if applying for the other training lists.

Medically fit to RCAF standards.

A Canadian citizen, or British subject with landed immigrant status.

3. TRAINING BRANCHES

Each fall, enrolments are made for training in the following branches:

TECHNICAL—Aeronautical Engineering, Armament, Construction Engineering, Telecommunications, Mobile Equipment Engineer.

OTHER —Accounts, Administration, Chaplain, Fighter Controller, Flying Control, Ground Observer, Medical, Food Services, Special Service (Recreation), Supply, Public Information.

4. TRAINING

(a) WINTER TRAINING—This program, which takes place at the university, normally consists of a weekly two hour parade. Parades commence in October and terminate in March and are phased so that they do not interfere with academic studies and examinations. This training is designed to familiarize URTP personnel with the duties and responsibilities of junior officers and to give a general knowledge of the RCAF, and its role in defence.

(b) SUMMER TRAINING—All successful candidates for the URTP attend Officers' School in the first half of the first summer. Those who are enrolled in a branch for which a course is conducted then proceed on formal training while the remainder receive supervised employment at stations across Canada. Each year a number of Flight Cadets may be selected to take their third summer at an overseas unit.

5. STATUS

Accepted students are enrolled with the training rank of Flight Cadet.

On successful completion of training, Flight Cadets will be commissioned as Pilot Officers. Upon graduation, Pilot Officers are eligible to transfer to the RCAF Regular, the Auxiliary, the Primary Reserve, or the Supplementary Reserve with the rank of Flying Officer.

6. PAY

DURING SUMMER TRAINING

$210 per month.

Rations, quarters, transportation, uniforms and medical attention are provided free.

DURING THE WINTER TRAINING PERIOD

Up to 16 days pay per winter, plus pay for any approved special duty.

7. APPLICATION FOR ENROLMENT

Phone VI. 4-1932 to make an appointment with the RCAF Officer, Room 10, Sir Arthur Currie Memorial Gymnasium.

Academic Dress

Undergraduates are entitled to wear a plain stuff gown, not longer than half way between knee and ankle, with round sleeves cut above elbow.

Bachelor of Arts—Black stuff gown, falling down below knee with full sleeve cut to elbow and terminating in a point (similar to that of the Cambridge B.A.); hood, black silk, lined with pale blue silk and edged with white fur.

Bachelor of Architecture—The same gown as Bachelors of Arts; hood, black silk, lined with white silk and edged with white fur.

Bachelor of Civil Law—The same gown as Bachelors of Arts; hood, black silk, lined with French grey silk and edged with white fur.

Bachelor of Commerce—The same gown as Bachelors of Arts; hood, black silk, lined with purple silk and edged with white fur.

Bachelor of Divinity—The same gown as Bachelors of Arts; hood, black silk, lined with violet silk and edged with white fur.

Bachelor of Education—The same gown as Bachelors of Arts; hood, black silk, lined one half with yellow and one half with pale blue silk.

Bachelor of Education (Physical Education)—The same gown as Bachelors of Arts; hood, black silk, lined with claret coloured silk and edged with white fur.

Bachelor of Engineering—The same gown as Bachelors of Arts; hood, black silk, lined with scarlet silk and edged with white fur.

Bachelor of Library Science—The same gown as Bachelors of Arts; hood, black silk, lined with orange silk and edged with white fur.

Bachelor of Music—The same gown as Bachelors of Arts; hood, black silk, lined with pale mauve silk and edged with white fur.

Bachelor of Nursing—The same gown as Bachelors of Arts; hood, black silk, lined with dark blue silk and edged with white fur.

Bachelor of Science—The same gown as Bachelors of Arts; hood, black silk, lined with yellow silk and edged with white fur.

Bachelor of Science in Agriculture—The same gown as Bachelors of Arts; hood, black silk, lined with dark green silk and edged with white fur.

Bachelor of Science (Home Economics)—The same gown as Bachelors of Arts; hood, black silk, lined with jade green silk and edged with white fur.

Bachelor of Science in Physical and Occupational Therapy—The same gown as Bachelors of Arts; hood, black silk, lined one half with yellow and one half with dark blue silk.

Master of Arts—Black gown of stuff or silk, falling below knee, with long sleeves with semi-circular cut at the bottom (similar to that of the Cambridge M.A.); hood, black silk, lined with pale blue silk.

Master of Architecture—The same gown as Masters of Arts; hood, black silk, lined with white silk.

Master of Civil Law—The same gown as Masters of Arts; hood, black silk, lined with French grey silk.

Master of Commerce—The same gown as Masters of Arts; hood, black silk, lined with purple silk.

Master of Engineering—The same gown as Masters of Arts; hood, black silk, lined with scarlet silk.

Master of Laws—The same gown as Masters of Arts; hood, black silk, lined with French grey silk.

Master of Library Science—The same gown as Masters of Arts; hood, black silk lined with orange silk.

Master of Sacred Theology—The same gown as Masters of Arts; hood, black silk lined with violet silk.

Master of Science—The same gown as Masters of Arts; hood, black silk, lined with yellow silk.

Master of Science (Applied)—The same gown as Masters of Arts; hood, black silk, lined one half with pale green silk and one half with yellow silk, divided vertically, the green being on the wearer's right.

Master of Social Work—The same gown as Masters of Arts; hood, black silk, lined with fuchsia silk.

Doctor of Civil Law—The same gown as Masters of Arts; hood, scarlet cloth, lined with French grey silk.

Doctor of Dental Surgery—The same gown as Masters of Arts; hood; scarlet cloth, lined with pink silk.

Doctor of Laws—The same gown as Masters of Arts; hood, scarlet cloth, lined with white silk.

Doctor of Letters—The same gown as Masters of Arts; hood, scarlet cloth, lined with pale blue silk.

Doctor of Medicine and Master of Surgery—The same gown as Masters of Arts; hood, scarlet cloth, lined with dark blue silk.

Doctor of Music—The same gown as Masters of Arts; hood, scarlet cloth, lined with mauve silk.

Doctor of Philosophy—The same gown as Masters of Arts; hood, scarlet cloth, lined with pale green silk.

Doctor of Science—The same gown as Masters of Arts; hood, scarlet cloth, lined with yellow silk.

Doctors of Laws, Doctors of Civil Law, Doctors of Letters, Doctors of Science, Doctors of Philosophy, and Doctors of Music are entitled to wear for full dress a robe of scarlet cloth (similar in pattern to that of the Cambridge LL.D.) faced with silk of the same colour as the lining of their respective hoods.

All hoods are in pattern similar to that of the Masters of Arts of Cambridge University.

Undergraduates and graduates wear the ordinary black trencher with black tassel, but Doctors of Laws, Doctors of Civil Law, Doctors of Letters, Doctors of Science, Doctors of Philosophy, and Doctors of Music wear for full dress a black velvet hat with gold cord, similar to that worn by Doctors of Laws of Cambridge University.

Samples of the colours of the linings of all hoods are kept for inspection in the office of the Registrar.

McGill University

Montreal

Directory of Students

1958-1959

McGill University

Montreal

Directory of Students

1958-1959

DIRECTORY OF STUDENTS

TELEPHONE NUMBERS

		Local
Arts and Science Undergraduate Society, 690 Sherbrooke St. W.	AV-8-2244	
Athletics, Physical Education, and Recreation, 475 Pine Ave. W.		
Director: Harry E. Griffiths	VI.9-9181	431
Business Manager: John Forsyth	VI.9-9181	446
Book Store (University), 3416 McTavish Street	VI.9-9181	400
Canadian Officers Training Corps. 475 Pine Ave. West	VI.4-3304	
Canterbury House, 3479 University Street	VI.4-1629	
Conservatorium of Music, 3450 Drummond Street - Secretary	VI.9-9181	482
Co-Operative Residence (Men Students) 3609 University Street	AV.8-6307	
Diocesan College, 3473 University Street ----------Office	VI.9-3004	
Students	VI.4-0817	
Divinity Hall. 3520 University Street - Students	VI.9-9181	371
Graduates' Society, 3574 University Street	VI.9-9181	463
Hillel Foundation, 3460 Stanley Street	VI.5-9171	
I. V. C. F. (See "Student House")		

Macdonald College, Ste. Anne de Bellevue, Que. -

Administrative Offices	Ste. Anne-5335
Brittain Hall (Men's Residence)	Ste. Anne-9082 / Ste. Anne-9086
Stewart Hall (Women's Residence)	Ste. Anne-9008 / Ste. Anne-9095
Main Building Dormitory	Ste. Anne-9003 / Ste. Anne-9088
Harrison House	Ste. Anne-4407

McGill Daily, 690 Sherbrooke Street West	AV.8-2244	
Editor-in-chief: Gordon Wasserman	VI.9-1550	
Advertising Manager: M.E. Heasley	AV.8-2244	
McGill Union, 690 Sherbrooke Street West	AV.8-2244	
President: Nicholas Asimakopulos	AV.8-2246	

McGill University Administrative Offices -

Principal	VI.9-9181	300
Comptroller	VI.9-9181	303
Secretary of the Board of Governors	VI.9-9181	401
Registrar's Office	VI.9-9181	479
Cashier	VI.9-9181	205
Superintendent of Buildings and Grounds	VI.9-9181	441
Faculties -		
Arts and Science - Dean	VI.9-9181	206
" " " Assistant Dean	VI.9-9181	307
Dentistry - Dean	VI.9-9181	208
" Secretary	VI.9-9181	211
Divinity - 3520 University Street - Dean	VI.9-9181	293
Engineering - Dean	VI.9-9181	413
" Dean's Secretary	VI.9-9181	317
Graduate Studies and Research - Dean	VI.9-9181	319
Law, 3644 Peel Street - Dean	VI.9-9181	456
Medicine - Dean	VI.9-9181	311
" Secretary of Faculty	VI.9-9181	207
Music - 3450 Drummond Street - Dean	VI.9-9181	484
" Secretary	VI.9-9181	482
Schools -		
Architecture - 3426 McTavish Street - Director	VI.9-9181	351
Commerce, 1020 Pine Avenue West - Director	VI.9-9181	450
Graduate Nurses, 1266 Pine Avenue West - Director	VI.9-9181	485
Library, Redpath Library - Director	VI.9-9181	408
Physical Education, 475 Pine Ave. West -	VI.9-9181	433
Physical & Occupational Therapy, 3654 Drummond Street - Director	VI.9-9181	472
Social Work. 3600 University Street - Director	VI.9-9181	277

TELEPHONE NUMBERS - Continued

		Local
McGill University Naval Training Division, 1475 Drummond Street, Staff Officer	VI. 2-9022	22
Newman House, 3484 Peel Street	VI. 4-4229	
Placement Service, 3574 University Street	VI. 5-6405	
Presbyterian College, 3485 McTavish Street ..... Office	VI. 2-1926	
Students	VI. 4-0424 & VI. 9-0141	
R. C. A. F. Reserve University Squadron, 475 Pine Avenue West	VI. 4-1932	

Residences (University) -

(Note - There are several students' telephones in most University residences. These telephones are not connected with the University switchboard. The number given below is in each case that of the main hall telephone or porter. If you do not know the correct number through which to reach a student directly, call the listed number for information.)

Douglas Hall of Residence (Men Students), 3851 University St.	VI. 4-0977
McLennan Hall (Women Students), 3480 Ontario Avenue	VI. 2-0044 & VI. 9-0580
Royal Victoria College (Women Students), 555 Sherbrooke St. W.	VI. 4-0675
Wilson Hall (Men Students), 3506 University St.	VI. 4-0624

Royal Victoria College, 555 Sherbrooke St. West -

Warden	VI. 9-9181	234
Warden's Secretary	VI. 9-9181	325
Porter (9 a.m. to 5 p.m.)	VI. 9-9181	236

Students: See note under "Residences, University", above.

Student Christian Movement, 3625 Oxenden Avenue	VI. 2-1156

Student Health Service, 515-517 Pine Avenue West -

Men (24 hour service)	VI. 5-9682	
Women - Day (9 a.m. to 5 p.m.) All students call: R. V. C. Infirmary	VI. 9-9181	420
Night (5 p.m. to 9 a.m.) - Women Students not in residence call: Dr. M. D. Mellor.	HU. 1-5560	

Student House (I. V. C. F.) 3445 Peel Street	VI. 5-9462
Students' Executive Council, 690 Sherbrooke Street West	AV. 8-2244
President: Roy Heenan	AV. 8-2247
Secretary-Treasurer: Wilfred T. Hastings	AV. 8-2244
Tickets for Football and Hockey, Sir Arthur Currie Gymnasium	VI. 9-9181 363
United Theological College, 3508 University Street - Students	VI. 4-0752 / VI. 5-4873
" " " Office	VI. 9-2042
Women's Union of McGill University, 555 Sherbrooke Street, W.	VI. 9-9181 423
President: Helen Kydd	VI. 2-0526

MEN'S FRATERNITIES

Alpha Delta Phi, 3478 McTavish Street	VI.2-7412
Alpha Kappa Kappa, 3466 McTavish Street	AV.8-9533
Delta Kappa Epsilon, 3653 University Street	VI.2-2073
Delta Sigma Phi, 3592 University Street	VI.2-2435
Delta Upsilon, 3434 McTavish Street	VI.2-4492
Kappa Alpha, 3605 University Street	AV.8-0643
Kappa Rho Tau, 3511 Peel Street	VI.4-4777
Lambda Chi Alpha, 485 Sherbrooke Street, West	VI.5-0734
Nu Sigma Nu, 545 Pine Avenue West	VI.5-7045
Phi Delta Theta, 3581 University Street	VI.9-1368
Phi Epsilon Pi, 3420 Peel Street	VI.2-0343
Phi Gamma Delta, 481 Prince Arthur Street, West	AV.8-7773
Phi Kappa Pi, 3647 University Street	VI.9-2806
Psi Upsilon 3429 Peel Street	VI.9-9928
Sigma Alpha Mu, 1019 Sherbrooke Street, West	VI.9-2592
Sigma Chi, 3482 McTavish Street	VI.4-1273
Tau Epsilon Phi, 3641 Oxenden Avenue	AV.8-0566
Theta Delta Chi, 3633 Oxenden Avenue	AV.8-6896
Zeta Beta Tau, 3483 Peel Street	VI.2-0882
Zeta Psi, 3637 University Street	VI.9-1736

WOMEN'S FRATERNITIES

Alpha Gamma Delta, 3495 Peel Street	VI.4-7861
Alpha Omicron Pi, 3568 University Street	AV.8-8318
Delta Gamma, 985 Sherbrooke St. West	AV.8-9618
Delta Phi Epsilon, 754 Sherbrooke Street West	VI.4-4905
Kappa Alpha Theta, 659 Prince Arthur St. West	AV.8-5860
Kappa Kappa Gamma, 3503 University Street	VI.5-7911
Sigma Delta Tau, 754 Sherbrooke Street West	VI.5-9958

There is a supplementary list at the end of the Directory in which will be found the names of some students not appearing in the main section.

DIRECTORY OF STUDENTS

Where two addresses are given, the second is the home address.

NAME ADDRESS	TEL. NO.	COURSE & YEAR
A		
BAYOMI CHRISTOPHER A 484 PRINCE ARTHUR ST W 6 MACAULEY ST MUSHIN LAGOS NIGERIA	AV 8 2346	B SC 3
BBOTT LEWIS W 3485 MCTAVISH ST MTL 383 STEWART ST OTTAWA ONT	VI 9 0141	B C L 3
BBOTT SMITH CHARLES W 4765 ROSLYN AVE MONTREAL 29 QUE	HU 1 2342	B SC 4
BBRUZZESE ELVIO 71 BEAUMONT ST MONTREAL QUE	CR 4 0158	B ENG 1
BDULKADIR JEMAL 3547 HUTCHISON ST MTL GORE ILUBABOR ETHIOPIA	VI 5 3053	MD CM 4
BERRA FELLEKE 3515 UNIVERSITY ST MTL C O C F LT T ABERRA I E A F BISHOFTN ETHIOPIA	VI 2 6755	B C L 1
BERSON GERHARD M A MACDONALD COLLEGE C O MR A D HUYSMAN WESTERHOWTPARK 25 HAARLEM HOLLAND		B SC AGR 3
BOOD JOSEPH GEORGE 3405 DECELLES PL APT 205 1001 CITROS DR LA HABRA CALIF U S A	RE 3 7023	D D S 1
BOODY VIVIENNE 1803 NORTH AVE OUTREMONT QUE	RE 8 2978	B COM 1
BOUD VIOLA M 1597 PINE AVE MTL 1495 5TH AVE SHAWINIGAN SOUTH 2 QUE		B N 1
BRAHAM PAUL MIKLOS 1590 ROLLAND AVE VERDUN QUE	PO 6 0325	B ENG 1
BRAHAMS SANDER JOSHUA 4720 VEZINA ST MONTREAL QUE	RE 1 4787	B SC 4
BRAHAMS STEPHEN LEWIS 5775 MOUNTAIN SIGHTS AVE MONTREAL 29 QUE	RE 8 5948	B A 2
BRAMOVITCH DAN IAN 5483 PEEL ST MTL 128A NOTRE DAME ST JOLIETTE QUE	VI 2 0882	B ENG EL 3
BRAMOWITZ MARK J 5774 MCALEAR AVE COTE ST LUC QUE	HU 8 5743	B C L 2
BRAMSON MARILYN B MACDONALD COLLEGE 765 STE FOY RD APT 6 QUEBEC CITY QUE	2 TCHRS	1
BRAMSON MORTON 3185 JOHNSON ST VILLE ST LAURENT QUE	RI 4 3924	B SC 4
CHARYA PRATAP P 5557 HUTCHISON ST MONTREAL QUE	AV 8 5546	B ENG MCH 3
CHESON MARGARET 108 COTE ST ANTOINE RD WESTMOUNT QUE	WE 7 1469	B A 3
CHONG EAMON H 4630 DUROCHER ST APT 48 10 KNOX ST PORT OF SPAIN TRINIDAD B W I		MD CM 3

NAME ADDRESS	TEL. NO.	COURSE & YEAR
ACHTMAN ABIE 1385 BERNARD AVE APT 3 MONTREAL QUE	CR 4 4127	B SC 4
ACHTMAN RUTH LEE 5232 BYRON AVE MONTREAL QUE	HU 4 1040	B A 2
ACKLE ADELE 3831 HAMPTON AVE MONTREAL 28 QUE	HU 6 7673	B A 1
ACKMAN CHARLES FREDRICK 5650 COTE ST LUC AVE MONTREAL QUE	HU 9 6359	MD CM 3
ADAIR ROSS KENNETH 386 ROSLYN AVE MONTREAL QUE	WE 7 2548	B SC 3
ADAM GEORGENA D MCLENNAN HALL 38 KER ST MERRITTON ONT	PHYSIOTH	3
ADAMEK EDWARD GEORGE 223 MELVILLE AVE WESTMOUNT QUE	WE 5 8744	PARTIAL
ADAMOVICS INTA 53668 CHESTER AVE APT 21 MONTREAL 29 QUE	HU 8 5125	M S W 1
ADAMS JULIA FRANCES 612 VICTORIA AVE WESTMOUNT QUE	HU 6 7977	B A 3
ADAMS MARY FRANCES 4970 QUEEN MARY RD APT 7 MONTREAL QUE	RE 7 8214	B SC 2
ADAMS NANCY RUTH 3438 DUROCHER ST APT 1 1889 LAUREL AVE ST PAUL MINNESOTA U S A	VI 5 8758	PH D 3
ADAMS SHERMAN M 14 PERREAULT AVE STE ANNE DE BELLEVUE QUE		D D S 1
ADAMS THOMAS GREGORY P 138 MARIEVILLE RD RICHELIEU QUE		B ENG 2
ADAMSON JAMES T H 186 LONGUEUIL ST ST JOHNS QUE		S T M 1
ADAMSON LESLIE ANN 42 WINDSOR AVE WESTMOUNT QUE	HU 4 2022	PARTIAL
ADANUVO GERHARD WALTER K 3534 LORNE AVE MTL C O POSTAL AGENT LOGBA TOTA T V T GHANA W A	VI 9 4466	B ENG MCH 5
ADDINALL MICHAEL BERNARD 3514 HUTCHISON ST APT 14 30 HAWES LANE W WICKHAM KENT ENGLAND	VI 5 9858	B A 3
ADDO NEWTON KOFI NORMAN 3490 HUTCHISON ST MONTREAL QUE		B SC 2
ADLER ALAN STEVEN 6375 DE VIMY AVE MONTREAL QUE	RE 7 2211	B ENG 2
ADLER HERBERT G QUEEN MARY VETERANS HOSP 4 BRENTWOOD LODGE 230 HUGO ST WINNIPEG 9 MAN		MED DIPL 2
ADLERSBERG ALEXANDER 5505 WESTBOURNE MONTREAL QUE		B SC 2
ADLEY ALLAN DAVID 3315 RIDGEWOOD AVE MONTREAL 26 QUE	RE 1 0615	B SC 3

DIRECTORY OF STUDENTS

Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
ADSHEAD DONNA ANN 1156 GRAHAM BLVD TOWN OF MT ROYAL QUE	B SC 3 RE 8 6089
AGAMA GODFRIED K 1441 DRUMMOND ST MTL C O A A TETTEH P O BOX 1922 ACCRA GHANA	B A 2 VI 9 4171
AGENSKY NATHAN 4529 PARK AVE MONTREAL QUE	B ENG CIV 3 AV 8 4945
AGGARWAL KAMAL 1441 DRUMMOND ST MTL 74 MARINE DRIVE BOMBAY 1 INDIA	B ENG 2
AGGARWAL RAJKUMAR G 1441 DRUMMOND ST MTL C O G D AGGARIVAL 177 MORINE DR 6 B BOMBAY 1 INDIA	B ENG 2
AGRAL WILLIAM STEWART 3495 RIDGEWOOD AVE APT 407 MONTREAL QUE	MED DIPL 3 RE 3 0372
AHERN ARTHUR N 3612 OXENDEN ST MTL R9 WATSON AVE OAKVILLE ONT	B SC 1 VI 4 7977
AHERN JOHN S 545 PINE AVE W MTL 1066 MISSION CANYON RD SANTA BARBARA CALIF U S A	MD CM 2
AHMED KHALIL 3572 HUTCHISON ST APT 9 3619 UNIVERSITY ST MONTREAL QUE	PH D 3
AIELLO LUCY LITTORIA 12285 O BRIEN BLVD CARTIERVILLE QUE	B A 2 RI 8 8946
AIKMAN ROBERT HOWARD 1512 PINE AVE W MONTREAL QUE	B SC 1 WE 7 1641
AINSLIE KENNETH RENTON 349 LETHBRIDGE AVE TOWN OF MT ROYAL QUE	B SC 1 RE 3 8561
AITKEN ROBERT C B DOUGLAS HALL WHAULENING WEST LINTON PEEBLESHIRE SCOTLAND	PARTIAL VI 2 1986
AJEMIAN GEORGE 3617 LORNE CRES MONTREAL QUE	PARTIAL
AKAI VERNON HUGH 1027 PRUD HOMME AVE MONTREAL 28 QUE	B SC 3 HU 4 1201
AKAMOTO GEORGE JOJI 3407 HUTCHISON ST MTL 26 GORDON ST VALLEYFIELD QUE	B ENG MCH 5 AV 8 7672
ALBRIGHT JESSIE CATHERINE 835 LEDUC ST VILLE ST LAURENT QUE	B A 3 RI 7 5177
ALBU BARBARA JUNE 3460 SIMPSON ST APT 807 MONTREAL 25 QUE	B A 4 WE 3 2244
ALCOCK ANTONY EVELYN 3433 DUROCHER ST APT 306 MOLE END UP SOMBORNE STOCKBRIDGE HANTS ENGLAND	B A 2 VI 4 4272
ALCOCK PETER JOHN O DOUGLAS HALL WOODLANDS WEST AVE LEEDS 8 YORKS ENGLAND	B ENG MCH 5 AV 8 8075

NAME ADDRESS	COURSE & YEAR TEL. NO.
ALDERSON SMITH C C DOUGLAS HALL EASTFIELD HOUSE BRAUNSTON N RUGBY WARWICKS ENGLAND	B SC 2
ALDOUS NORMAN RONALD MONTREAL GENERAL HOSP 4915 MAPLEWOOD AVE MONTREAL QUE	MED DIPL 1 WE 7 6011
ALEONG STANLEY 3439 HUTCHISON ST MONTREAL 18 QUE	B COM 3 VI 9 1870
ALEXANDER ANDREW BOAK 3653 UNIVERSITY ST MTL 1212 RIVERDALE AVE CALGARY ALTA	B ARCH 3 VI 5 2738
ALEXANDER CHARLES S 467 LANSDOWNE AVE WESTMOUNT QUE	B C L 3 WE 5 1710
ALEXANDER MICHAEL O 3660 THE BOULEVARD WESTMOUNT QUE	B COM 1 HU 1 9669
ALEXANDER PETER 1441 DRUMMOND ST MTL BOX 696 FARNHAM QUE	B ENG COM 5
ALEXANDER WALTER J 5253 LACOMBE AVE MTL 524 HAVELOCK ST LANCASTER N B	MD CM 3 HU 4 6395
ALEXANDOR DAVID FREIMAN DOUGLAS HALL 68 PARK RD ROCKCLIFFE PARK OTTAWA ONT	B A 4 AV 8 1614
ALGIE ROBERT MALCOLM 20786 LAKESHORE RD BAIE D URFEE QUE	B SC AGR 3
ALIREZA FAROUK 501 PINE AVE W MTL 21 BAHGAT ALY PASHA ST CAIRO EGYPT	B ENG 2 VI 5 1537
ALLAN FREDERICK 546 MILTON ST APT 1 MONTREAL QUE	D D S 4
ALLAN GEORGE B 927 GRAHAM BLVD MONTREAL 16 QUE	B ENG CH 5 RE 8 2918
ALLAN ROBERT FRASER 212 TALLWOOD PL ROSEMERE QUE	B ENG 1
ALLAN RONALD STUART 5244 SARANAC ST MONTREAL QUE	PH D 2 HU 8 7440
ALLARD JACQUES 15 7TH AVE VILLE LASALLE QUE	PARTIAL PO 8 3603
ALLEN ALEXANDER C 3775 UNIVERSITY ST MTL 144 LOANTAKA WAY MADISON NEW JERSEY U S A	MD CM 4
ALLEN CHARLOTTE MARY 100 BROCK AVE SOUTH MONTREAL WEST QUE	B A 1 HU 6 0252
ALLEN CLIVE V 5431 MACMAHON AVE MONTREAL 29 QUE	B C L 3 HU 4 9432
ALLEN LORNA DEREEN ROYAL VICTORIA COLLEGE 9 AUTENRIETH RD SCARSDALE N Y USA	B A 3 VI 2 0334
ALLEN MAGRETA C 20709 LAKESHORE RD BAIE D URFEE 8031 UPPER LACHINE RD APT 6 MONTREAL W QUE	P E DIP 1

DIRECTORY OF STUDENTS

Where two addresses are given, the second is the home address.

NAME ADDRESS	TEL. NO.	COURSE & YEAR
LEN MERROSE ROYAL VICTORIA COLLEGE R R 1 PARIS ONTARIO		B A 1
LEN NORMAN TRISTRAM H 5 WINCHESTER AVE WESTMOUNT 6 QUE	HU 1 6548	B SC 1
LEN PATRICIA EDITH 155 HICKSON AVE ST LAMBERT QUE	OR 1 3094	M S W 1
LEN STEPHEN ROSS 1841 VICTORIA AVE MONTREAL QUE	HU 6 5176	B ENG 3
LENSON VERNA M 14 BROWN ST STE ANNE DE BELLEVUE QUE R R 1 KYTON ONT	HDICRAFTS	1
LESLEV IAN 1595 OUIMET ST VILLE ST LAURENT QUE	RI 7 6104	B ENG EL 3
LLINGTON KATHLEEN R 3518 PARK AVE APT 1 MTL 15 BEATTY RD SOUTHPORT LANCS ENGLAND	AV 8 4560	M SC 3
LLISMA PEEP 150 PLACE BENOIT APT 2 VILLE ST LAURENT QUE	RI 8 9915	B ENG 2
LLO JAMES F J 48 CRESTWOOD AVE MONTREAL WEST QUE	HU 4 8090	B ENG 1
LMEY BERYL J STEWART HALL 1040 35TH AVE LA SALLE QUE	2 TCHRS	2
LTER FRANCES 5891 CLANRANALD AVE MTL 39 DUNCANNON DR TORONTO QUE	RE 3 2834	M S W 2
LTER ISABELLE 5400 RANDALL AVE APT 16 MONTREAL QUE	HU 8 4690	B A 2
LTIMAS NORA 213 DRESDEN AVE MONTREAL QUE	RE 9 1832	B COM 3
LTINALMAZIS EMMANUEL 3459 DRUMMOND ST MTL 4807 CEDAR CRES MONTREAL QUE	VI 4 0653	B ENG COM 5
LTMAN SARINA 403 SIMPSON RD OTTAWA ONT		B ARCH 5
LTSHULER JOHN H 3466 MCTAVISH ST MTL 2501 HASTE ST BERKELEY 4 CALIF U S A	AV 8 9533	MD CM 4
LTSHULLER BERNARD 2250 COTE VERTU RD VILLE ST LAURENT QUE	RI 7 9075	B ENG MET 3
LTSHULLER JOSEPH 2250 COTE VERTU RD VILLE ST LAURENT QUE	RI 7 9075	B ENG CIV 3
LVARES ALFREDO V 573 ONTARIO ST W MTL 34 ISLAND ROAD DEEP WATER BAY HONG KONG	VI 5 3785	B ARCH 1
LVAREZ MOLINA GUSTAVO A 1433 STANLEY ST MTL TEGUCIGALPA APTDO 173 HONDURAS C A	VI 5 2342	B SC 1
LVO HAIM 375 GLENGARRY AVE TOWN OF MT ROYAL QUE	RE 3 8527	B ENG MCH 4
LWARD KARIN VICTORIA 1025 GRAHAM BLVD MONTREAL 16 QUE	RE 7 3446	B A 2
ALZNER EDGAR 7690 2ND AVE MONTREAL 38 QUE	RA 7 8306	B ENG MCH 3
AMANO MINORU 3640 PARK AVE APT 6 MTL 19 NOBORICHO HIROSHIMA CITY JAPAN	VI 4 4085	PH D 2
AMARON ROBERT E 3511 PEEL ST MTL ADMASTON ONT	VI 4 4777	B A 4
AMBUSH DEENA CAROLE ROYAL VICTORIA COLLEGE 18 REDWOOD DR ROCHESTER N Y USA	VI 2 0477	B A 4
AMEY GERALD XAVIER 2730 GOYER ST APT 31 MTL 356 8TH AVE ST EUSTACHE SUR LE LAC QUEBEC		M SC 2
AMIRO GREGORY THOMAS 57 REGENT ST YARMOUTH N S		B ENG CIV 5
AMOS DONALDA JUNE 361 DUKE OF KENT AVE PTE CLAIRE QUE		2 TCHRS 2
AMOS RICHARD WAYNE 4700 RADISSON ST MONTREAL 5 QUE	CL 6 0733	B ENG MET 3
AMY ROBERT ERNEST 3508 DUROCHER ST MTL 44 ELLICE BEAUHARNOIS QUE	VI 9 4352	B ENG 2
AMYOT EVELYNE J STEWART HALL BOX 373 BAIE COMEAU		2 TCHRS 2
ANASTASSIADES PHOEBUS T P O BOX 131 MACDONALD COLLEGE QUE		MD CM 1
ANCHEL BEVERLY R 5221 PARK AVE APT 10 MONTREAL QUE	CR 9 0731	3 TCHRS
ANCHEL HARVEY 4862 JEAN BRILLANT MONTREAL QUE	RE 3 4542	B SC 1
ANDERSEN RICHARD G 3451 UNIVERSITY ST MTL 1232 ESQUIMALT AVE WEST VANCOUVER B C		MD CM 3
ANDERSON ANN ELIZABETH 111 DOUGLAS SHAND AVE POINTE CLAIRE QUE		B ED P ED 1
ANDERSON CLIFFORD WILFRED 21 DUPONT BORD DE L EAU STE DOROTHEE R R 1 DEMAINE SASKATCHEWAN		PH D 2
ANDERSON DOROTHY LOUISE STEWART HALL 59 PARK ST W PORT CREDIT ONT		B SC H EC 3
ANDERSON ERIC MAYNARD 3465 SIMPSON ST MTL C O 1502 MYRON DR PORT CREDIT ONT	WE 5 0333	B ENG 2
ANDERSON EUGENE C 3600 ST FAMILLE ST APT 3 2515 PIEDMONT AVE BERKELEY 4 CALIF U S A	AV 8 4330	MD CM 3
ANDERSON IRENE 3543 LORNE AVE MONTREAL QUE	VI 9 9892	B SC 4
ANDERSON JAMES ROSS 205 DAWSON AVE DORVAL QUE	ME 1 1796	M A 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ANDERSON JANET BAIRD ROYAL VICTORIA COLLEGE 9 MONKSTOWN RD ST JOHNS NFLD	B SC 1 VI 2 0829
ANDERSON JEAN E 1002 MCGREGOR ST APT 205 ROUTE 1 MOORHEAD MINN U S A	M A 1 VI 9 2604
ANDERSON JON S 3633 OXENDEN AVE MTL 61 OAKLAND AVE WESTMOUNT QUE	B C L 3 AV 8 6896
ANDERSON MARGARET EDNA 1465 CRESCENT ST APT 102 R R 1 BELLEVILLE ONT	M A 1 VI 5 2865
ANDERSON MARGARET JOAN 112 THORNTON AVE MONTREAL 16 QUE	B A 1 RE 8 0528
ANDERSON MARILYN JUNE STEWART HALL 155 51ST AVE LACHINE QUE	B SC H EC 4
ANDERSON MILDRED 397 COTE ST ANTOINE RD 1601 8TH ALEXANDRIA LOS ANGELES CALIF USA	M S W 1 HU 1 6046
ANDERSON NAOMI MARGARET 4335 CORONATION AVE MONTREAL 28 QUE	B SC 3 HU 6 5374
ANDERSON RAY SCOTT 3446 VENDOME AVE MONTREAL QUE	B ENG 2 HU 4 9070
ANDERSON WILLIAM J L 84 GARDENVILLE AVE LONGUEUIL QUE	H S D DIP OR 4 4779
ANDRE LESLIE S 5840 DECELLES PL APT 20 MONTREAL QUE	B COM 2 RE 9 0850
ANDREW GEORGE M 695 ALEPIN AVE VILLE LA SALLE QUE	B SC 3 PO 6 2868
ANELIUNAS ALGIS EDWARD 323 SELBY ST APT 4 WESTMOUNT QUE	B ENG CH 5 WE 7 8339
ANGELINI LINDA CAROL 980 ROCHON VILLE ST LAURENT QUE	B A 1 RI 7 5164
ANGELL HAROLD 4671 PARK AVE APT 12 MONTREAL QUE	M A 1 VI 9 2036
ANGLIN BARBARA I C 38 OSSINGTON AVE OTTAWA ONT	M SC 2
ANGLIN NANCY E 761 42ND AVE LACHINE QUE	B SC N 1 ME 7 0998
ANGUS BROOK ROBERTSON 3506 UNIVERSITY ST MTL 561 AVENUE RD APT 801 TORONTO ONT	B COM 4 VI 4 0624
ANGUS FREDERICK FORBES 536 ROSLYN AVE MONTREAL 6 QUE	B ENG COM 5 HU 1 1897
ANGUS IAN WILLIAM M 202 SENNEVILLE RD R R 1 STE ANNE DE BELLEVUE QUE	B ENG 2
ANNAND PETER NORMAN S 3827 OLD ORCHARD AVE MONTREAL 28 QUE	B ENG EL 3 HU 4 6471
ANNESLEY JOHN FRANCIS 1 SUNNYSIDE AVE WESTMOUNT QUE	B ENG MCH 4 WE 3 8092

NAME ADDRESS	COURSE & YEAR TEL. NO.
ANNO CHARLYNE E 1290 PINE AVE WEST MTL 827 COLLEGE AVE REDLANDS CALIF U S A	MD CM 3
ANTOBRE BOATENG EMANUEL 526 MILTON ST MTL QUEENMOTHERS HOUSE JUABEN GHANA	B COM 2 VI 8 7694
ANZARUT TONY SALIM BEN 316 MELBOURNE AVE TOWN OF MT ROYAL QUE	B SC 3 RE 8 8113
APEDAILE LEONARD PETER P BRITTAIN HALL 483 STRATHCONA AVE WESTMOUNT QUE	B SC AGR 3
APEN EDWARD M 3466 MCTAVISH ST MTL 2844 MACKLEM AVE NIAGARA FALLS N Y USA	MD CM 2 AV 8 9533
APPLE DAVID HARRY 103 SUNNYSIDE AVE WESTMOUNT QUE	B COM 1 HU 6 2058
APPLE MORTY 834 STUART AVE MONTREAL QUE	B C L 2 CR 4 1529
ARAKELIAN MARGARET ANNE ROYAL VICTORIA COLLEGE 61 LAMVILLE AVE BRADFORD MASS U S A	B A 4 VI 2 0477
ARBESS BARBARA 5005 PRINCE OF WALES AVE MONTREAL 29 QUE	3 TCHRS 2 HU 1 8875
ARBESS SAUL EDWIN 4445 HINGSTON AVE MONTREAL 28 QUE	B A 2 HU 4 5823
ARBOIT JOAN M 456 PINE AVE W APT 37 343 MARION ST BROOKLYN 33 N Y USA	MD CM 2 VI 4 8382
ARBOUR PETER JOHN 481 PRINCE ARTHUR ST W 535 118TH ST SHAWINIGAN QUE	B COM 4 AV 8 7773
ARCARO EDMONDO 7750 DE LORIMIER ST MONTREAL QUE	B ENG 1 RA 1 2363
ARCHER ROSLYN ANNETTE ROYAL VICTORIA COLLEGE LOWER FONTABELLE ST MICHAEL BARBADOS B W I	B A 4 VI 2 0477
ARCHIBALD ALLEN CLIFFORD 2980 GLENCOE AVE MONTREAL 16 QUE	B ENG 2 RE 7 3433
ARCHIBALD GARY MERVYN 1947 ST LUC ST APT 5 MTL 3828 47TH ST RED DEER ALTA	PH D 1 WE 2 9647
ARCHIBALD WILLIS MOORE 5210 MARIETTE AVE MONTREAL QUE	MED DIPL 1 HU 4 7870
ARDEN WAYNE HERBERT 1441 DRUMMOND ST MONTREAL QUE	B A 2
ARGYRAKIS MICHAEL E 4860 GROSVENOR AVE MONTREAL QUE	MD CM 1 HU 6 7751
ARMBRUSTER BARBARA IRMA 144 SECOND AVE VILLE LASALLE QUE	B A 2 PO 8 2126
ARMITAGE GEORGE D H WILSON HALL OAKLANDS MANOR THORNER NR LEEDS YORKSHIRE ENGLAND	B A 2
ARMOUR JOHN A 3055 SHERBROOKE ST W WESTMOUNT QUE	MD CM 1 WE 5 4232

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ARMSTRONG BARBARA ANNE STEWART HALL 416 THIRD AVE OTTAWA ONT	B SC H EC 3
ARMSTRONG ERIC WILLIAM MACDONALD COLLEGE C O MRS L T G PINHEY HUDSON HEIGHTS QUE	B SC AGR 4
ARMSTRONG GEORGE DORAN WILSON HALL 12 ON THE BANK ST LA TUQUE QUE	B SC 1
ARMSTRONG GERALD W 3851 UNIVERSITY ST MTL 38 BROAD ST BROCKVILLE ONT	B ARCH 6
ARMSTRONG JOHN BRIGGS 7 BRUNET AVE PTE CLAIRE QUE	B SC 1
ARMSTRONG RICHARD JOHN 4630 WESTMORE AVE MONTREAL 28 QUE	B SC 1 HU 6 3692
ARMSTRONG ROBERT GORDON 4211 WILSON AVE MONTREAL QUE	M A 1 HU 4 4864
ARMSTRONG SANDRA JUNE 49 WINSTON CIRCLE POINTE CLAIRE QUE	B A 1
ARMSTRONG WILLIAM D 3433 DUROCHER ST APT 306 9 OVINGTON AVE SOUTHBOURNE BOURNEMOUTH ENG	B COM 2 VI 4 4272
ARNOLD CHARLES B 3466 MCTAVISH ST MTL 1224 NO TACOMA AVE TACOMA 3 WASH U S A	MD CM 3 AV 8 9533
ARNOLD JOHN ANTHONY E DOUGLAS HALL APT 592 CARACAS VENEZUELA	B A 1
ARNOLD NINA PATRICIA H 1700 TASSE ST APT 4 MTL 1706 KING ST E HAMILTON ONT	B SC 4 RI 7 6332
ARONOFF EDWARD EARL 4040 VENDOME AVE MONTREAL QUE	B A 1 HU 4 2831
ARONOFF GRACE JOYCE 4040 VENDOME AVE MONTREAL QUE	B A 3 HU 4 2831
ARONSON NORMAN 3235 APPLETON AVE MONTREAL QUE	B SC 2 RE 3 9560
ARSCOTT DAVID PHILIP 6620 28TH AVE MONTREAL 36 QUE	B ENG 1 RA 8 8870
ARSENAULT JEAN 7350 DROLET ST MONTREAL QUE	M SC 1 CR 6 1359
ARSENEAU JUDY R 10170 VERVILLE ST MONTREAL 12 QUE	B SC 1 DU 1 6468
ARTHUR JEAN L MACDONALD COLLEGE BOX 207 ORMSTOWN QUE	2 TCHRS
ARTHURS NEVILLE EDISON MACDONALD COLLEGE BLUE CASTLE FARM GEORGES PLAIN P O JAMAICA B W I	B SC AGR 2
ARVANITAKIS CONSTANTINOS 2074 CITY COUNCILLORS MONTREAL QUE	B SC 2 VI 9 9061
ASANO SHOZO EDWARD 3681 HUTCHISON ST APT 32 MONTREAL QUE	B SC 3 AV 8 0435

NAME ADDRESS	COURSE & YEAR TEL. NO.
ASBURY ALISON MARY 5711 WESTMINSTER AVE MONTREAL 29 QUE	B SC 1 HU 4 5995
ASBURY ELIZABETH A 5711 WESTMINSTER AVE MONTREAL 29 QUE	PHYSIOTH 2 HU 4 5995
ASBURY GAIL FRANCES 5711 WESTMINSTER AVE MONTREAL 29 QUE	B SC 4 HU 4 5995
ASCAH ALAN GEORGE 4610 SHERBROOKE ST LACHINE QUE	B ENG CH 3 ME 7 8803
ASH HARRIET B 590 CHAMPAGNEUR AVE OUTREMONT QUE	B SC H EC 1
ASHE THOMAS J 3547 UNIVERSITY ST APT 15 MTL 2585 BOSTON RD NO WILBRAHAM MASS U S A	D D S 2
ASHTON JOAN LORNA B 3651 DUROCHER ST MONTREAL QUE	B A 4 VI 5 0578
ASHWORTH MICHAEL A 3664 THE BOULEVARD WESTMOUNT QUE	MD CM 2 HU 4 2046
ASIMAKOPULOS NICHOLAS T 690 SHERBROOKE ST W MTL 5820 ST LAWRENCE BLVD MONTREAL QUE	B COM 4 AV 8 2246
ASKINASY NINA F 1712 TASSE APT 2 MTL P O BOX 72 MORIN HEIGHTS QUE	B A 1 RI 8 9251
ASPLER ANTONY SIMON 4865 QUEEN MARY RD APT 35 MONTREAL QUE	B A 4 RE 7 0241
AST HELGA 20 LESLIE GAULT APT 4 MONTREAL QUE	MED DIPL 1 DU 9 2673
ASTON EDITH PAULINE 320 61ST AVE ABORD A PLOUFFE QUE	PARTIAL HU 1 8371
ASZTALOS ANDREW 5164 ST LAWRENCE BLVD APT 3 MONTREAL QUE	B ENG MCH 3
ATCHISON JOHN ROBERT L 481 PRINCE ARTHUR ST W 27 THIRD ST W CORNWALL ONT	B ENG CIV 5 AV 8 7773
ATCOVITCH PETER 5208 ST LAWRENCE BLVD MONTREAL QUE	B ENG 2 CR 9 3248
ATHANASSIADIS EMILE 3470 SHUTER ST MTL 742 NOTRE DAME ST JOLIETTE QUE	B SC 2 VI 5 9620
ATKIN JOHN ROBERT COLLEGE MILITAIRE ROYAL ST JEAN 3449 ERSKINE ST WINDSOR ONT	M A 2
ATKINS WILLIAM MICHAEL 5530 COTE ST LUC RD APT 22 MONTREAL 28 QUE	B SC 3 HU 4 1086
ATKINSON PATRICIA ANNE STEWART HALL NORWOOD ONT	P E DIP 1
ATLAS BETTY ROYAL VICTORIA COLLEGE 1721 11TH AVE S W CALGARY ALTA	B A 3 VI 2 0477
ATTENDU MICHEL CLAUDE 8370 ONTARIO ST E APT 3 MONTREAL QUE	M ENG 2 CL 6 1468

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ATTOBRAH GLADYS ANSAH 3493 SHUTER ST MTL P O BOX 106 ACCRA GHANA	B COM 1
ATTOBRAH PETER FREDERICK 3493 SHUTER ST MTL P O BOX 29 AKROKERI GHANA	B ENG CIV 4
ATTRIDGE HEATHER ISABEL 32 STRATFORD RD HAMPSTEAD QUE	B A 2 HU 1 1364
ATWOOD JOHN WILLIAM 3440 HINGSTON AVE MONTREAL 28 QUE	B ENG 1 HU 6 5442
AUBANEL CLAUDE JEAN F 623 PRINCE ARTHUR W APT 3 MONTREAL QUE	B SC 1 VI 5 0352
AUBIN YVON ALBERT J 3479 SHUTER ST MTL 842 CASCADES ST ST HYACINTHE QUE	B SC 2 VI 5 9620
AUBRY JOSEPH CHARLES Y 3511 JEANNE MANCE ST MTL 28 VILLENEUVE CHICOUTIMI QUE	B ENG EL 4 VI 9 0492
AUDLEY JOHN C 58 PACIFIC RD SENNEVILLE QUE	PARTIAL
AUERBACH ARNOLD 705 QUERBES AVE APT 5 OUTREMONT QUE	B ENG 2 CR 2 8987
AUERBACH DAVID HILLEL 4914 DECARIE BLVD APT 3 MONTREAL QUE	B A 4 HU 9 4425
AUGER JEAN EDOUARD 3432 HUTCHISON ST MTL 125 ST GEORGE ST PRINCEVILLE QUE	B ENG COM 5 AV 8 6488
AURLICK NORMAN 91 LAPALME VILLE ST LAURENT QUE	B ENG 1 RI 4 6572
AUSTER HENRY 5326A ST URBAIN ST MONTREAL QUE	B A 3 CR 9 9360
AUSTIN RICHARD JACKSON DOUGLAS HALL 18 ALDBURY GDNS TORONTO 12 ONT	B SC 2
AUSTON DAVID HENRY 447 MT STEPHEN AVE WESTMOUNT QUE	B ENG 2 WE 5 4351
AUSTON JOHN SANDERS 447 MT STEPHEN AVE WESTMOUNT QUE	M SC 2 WE 5 4351
AU YEUNG WINTON WING TO 3519 LORNE AVE APT 5 MTL 508 HING FAT HOUSE DUDDELL ST HONG KONG	B ENG 2
AVERTICK CALVIN LARRY 638 CHAMPAGNEUR AVE OUTREMONT QUE	B SC 1 CR 2 2075
AVISON MARTHA E 15 MAPLE AVE STE ANNE DE BELLEVUE QUE	B SC 1
AXELRAD PETER FRED 769 STUART AVE OUTREMONT QUE	B A 2 CR 1 7905
AYER SHIRLEY 3 AVE DES BOULEAUX REPENTIGNY QUE	M A 1
AYOUP RAYMOND G 3465 MCTAVISH ST MTL 353 BROADWAY AVE SHAWINIGAN QUE	B C L 1 UN 1 0964

NAME ADDRESS	COURSE & YEAR TEL. NO.
AYRTON WILLIAM GREY 645 PRINCE ARTHUR ST APT 13 MONTREAL QUE	B SC 4 VI 4 3873
AZAN YULANDA MICHAEL ROYAL VICTORIA COLLEGE SPALDINGS P O JAMAICA B W I	B A 3 VI 2 0113

B

BAATZ JOHN ORMONDE 4801 VICTORIA AVE MONTREAL 29 QUE	B ENG CIV 3 HU 1 1583
BAATZ PAUL IRMONDE 4801 VICTORIA AVE MONTREAL 29 QUE	B A 2 HU 1 1583
BABATZANIJ JOHN STE ANNES V A HOSPITAL STE ANNE DE BELLEVUE NOWARINOU METHONIS SALONIKA GREECE	MED DIPL 2
BABKIN ALEXANDER 2308 BELGRAVE AVE MONTREAL QUE	B ENG MCH 4 HU R 6050
BACK MARGARET HELEN 4300 DUPUIS AVE APT 8 15 ROSEDALE AVE OTTAWA ONT	PH D 4
BACKLER ALAN LEWIS 44 ROXBOROUGH AVE WESTMOUNT QUE	B A 1 HU 1 4618
BACON GARY FRANCOIS 2720 DARLINGTON PL MTL 1685 UNIVERSITY DR SAN JOSE 26 CALIF U S A	MD CM 2
BACON MARY ELLEN STEWART HALL 26 WAVERLEY RD PTE CLAIRE QUE	B && 2
BACZEK EDWARD JOHN 3484 PEEL ST MTL 767 CANNON ST E HAMILTON ONT	B ARCH 3 VI 4 5922
BADIAN JOHN DAVID 25 NORTHCOTE RD HAMPSTEAD QUE	B ENG 2 HU 6 3020
BADOUR WILLIAM GEORGE 3801 BARCLAY AVE APT 7 MONTREAL QUE	B A 3 RE 3 3360
BAECHELEN EMIL X 148 COTE ST ANTOINE MTL 7220 FOREST AVE RIDGEWOOD 27 N Y USA	MD CM 1 WE 5 9012
BAGAN LIONEL JASON 460 BROOKFIELD TOWN OF MT ROYAL QUE	B C L 3 RE 8 6862
BAI B K SANOJO JEWISH GENERAL HOSPITAL COTE ST CATHERINE RD MONTREAL QUE	MED DIPL 4
BAIG MIRZA Y A 3733 JEANNE MANCE ST MONTREAL QUE	PH D 2 VI 5 1072
BAILEY CHRISTOPHER M 163 CARRUTHERS AVE KINGSTON ONT	B ENG 1
BAILEY DOROTHY F ROYAL VICTORIA COLLEGE 2416 COURTENAY ST VANCOUVER 8 B C	B L S 1 VI 2 0634
BAILEY HARVEY ROY DOUGLAS HALL 35 BEECH ST WEST SUDBURY ONT	B SC 3 VI 5 5089

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BAILEY PHYLLIS ELAINE 574 KINDERSLEY AVE TOWN OF MT ROYAL QUE	M A 2 RE 3 8439
BAILEY RONALD ALBERT 1947 ST LUKE ST MONTREAL QUE	PH D 3 WE 2 7905
BAILEY RUTH BERTHA M MACDONALD COLLEGE R R 2 SAWYERVILLE QUE	3 TCHRS
BAILLIE JOHN FRASER 411 CLARKE AVE WESTMOUNT QUE	B A 1 WE 3 3157
BAIN ALAN J T 255 GLENGARRY AVE TOWN OF MT ROYAL QUE	B A 3 RE 8 1980
BAIN STEWART WILLIAM 1575 SUMMERHILL AVE APT 409 MONTREAL QUE	B ENG EL 3 WE 3 4864
BAIR KEITH E 2855 BARCLAY AVE APT 8 C/ LYNDHURST CRES KINGSTON 5 JAMAICA B W I	D D S 1
BAIRD JEANETTE ANNE 5197 EARNSCLIFFE AVE MONTREAL QUE	B SC 2 HU 1 5926
BAIRD PHYLLIS M MACDONALD COLLEGE HUNTINGDON QUE	3 TCHRS
BAIRD RUTH EILEEN STEWART HALL 33 CLAREY AVE OTTAWA ONT	B SC H EC 4
BAKER ALLAN RONALD 44 OXFORD RD BAIE D URFE QUE	B ENG MCH 5
BAKER ANN LILLIS STEWART HALL PHILLIPSBURG QUE	B && 2
BAKER LINDA F 94 BAYVIEW AVE POINTE CLAIRE QUE	B SC H EC 1
BAKER WILLIAM JAMES MACDONALD COLLEGE 1 GRAHAM ST COPPER CLIFF ONT	B ED P ED 2
BALASSIANO FERIAL T 555 LAURENTIAN BLVD VILLE ST LAURENT QUE	B SC 1 RI 7 6844
BALAZS ANNE MARIE 1452 BISHOP ST APT 9 MONTREAL QUE	B ARCH 5 VI 4 5957
BALCOM ROBERT D BRITTAIN HALL PORT WILLIAMS KINGS CO N S	B SC AGR 3
BALFOUR WAYNE DENNIS 456 PINE AVE W MTL P O BOX 673 NAPANEE ONT	B ENG 2
BALL JAMES G 62 LUCERNE AVE VALOIS QUE	B ENG 1
BALL WESLEY B 3508 UNIVERSITY ST MTL THE PARSONAGE V C C SUTTON QUE	PARTIAL VI 5 4873
BALLANTYNE ELIZABETH MARY 33 FORDEN AVE WESTMOUNT QUE	B A 3 WE 5 3060
BALLANTYNE HUGH MURRAY G 33 FORDEN AVE WESTMOUNT QUE	B A 2 WE 5 3060
BALLANTYNE JUDITH ANN 5523 RANDALL AVE COTE ST LUC QUE	B A 3 HU 4 9295
BALLENTYNE ALFRED A 2001 UNION AVE MONTREAL QUE	B A 3 VI 2 0996
BALLON JUDY LINDA 4687 BONAVISTA AVE MONTREAL QUE	B A 4 HU 6 7607
BALTAS LEONIDAS 9905 JEANNE MANCE ST MONTREAL QUE	PH D 1 DU 7 9750
BALTZAN RICHARD B 3484 DUROCHER ST APT 311 219 SASK CRES W SASKATOON SASK	MD CM 4 AV 8 9575
BAN THOMAS ARTHUR VERDUN PROTESTANT HOSP VERDUN QUE	MED DIPL 2
BANBURY JOSEPH TREMLETT MACDONALD COLLEGE BRIGHTON ONT	B SC AGR 3
BANCROFT FRANCES MASON ROYAL VICTORIA COLLEGE 103 WOOD LEIGH RD DEDHAM MASS U S A	B A 1 VI 2 0597
BANERJEE SAMIR KUMAR 3609 UNIVERSITY ST MTL 35 SCOTE LANE CALCUTTA 9 INDIA	PH D 3 AV 8 6307
BANIKIN CLARICE ROYAL VICTORIA COLLEGE MAIN ST STEPHENVILLE NFLD	B A 1 VI 2 0829
BANKS GORDON WALTER 2014 DUTRISAC VILLE ST LAURENT QUE	B ENG MCH 3 RI 7 8527
BANOZIERZ ARKADY A S 8100 SHERBROOKE ST E MONTREAL QUE	PH D 1
BANTING ANGUS BOX 282 MACDONALD COLLEGE QUE	B ENG MCH 4
BARAKETT EDWARD JOHN 45 WILLOWDALE AVE OUTREMONT QUE	B COM 4 RE 8 3104
BARAKETT RAYMOND 4931 CORONET AVE APT 17 MONTREAL QUE	M C L 4 RE 3 5605
BARAMKI GABRIEL ANTONE 3547 HUTCHISON ST MTL BIREH RAMALLAH JORDAN	PH D 3 VI 5 3053
BARAN DANIEL 2863 HOLT ST MONTREAL 36 QUE	B A 3 RA 2 1320
BARBARIK NANCY R MCLENNAN HALL 480 DREW ST OSHAWA ONT	PHYSIOTH 3 VI 2 0044
BARBEAU JOSEPH ADOLLARD A 2836 PARKVILLE AVE MONTREAL QUE	B ENG 2
BARBOUR DAVID ALLEN 993 MACNAUGHTON RD TOWN OF MT ROYAL QUE	B SC 1 RE 7 2852
BARBOUR DOUGLAS FLEMING 56 DUFFERIN RD HAMPSTEAD QUE	B SC 2 HU 9 1876
BARCILON ALBERT IBRAM C 2698 SOISSONS AVE MONTREAL QUE	B ENG PHY 4
BARCILON VICTOR NESSIM 2698 SOISSONS AVE MONTREAL QUE	B SC 4 RE 1 1203
BARCLAY CAROL RUTH MACDONALD COLLEGE POINT FORTUNE QUE	P E DIP 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BARCLAY JANET ANDERSON 92 DUPONT AVE CHATEAUGUAY HEIGHTS QUE	B A 3
BARDANA EMIL 4 3466 MCTAVISH ST MTL 10103 39TH AVE CORONA L I 68 NEW YORK U S A	MD CM 2 AV R 9533
BARIAK SONIA F 6413 SHERBROOKE ST W APT 10 MONTREAL QUE	2 TCHRS 2 HU R 8626
BARKER BRIAN GEORGE 38 LAKESHORE RD VALOIS QUE	B ENG 1
BARKER TIMOTHY GWYNNE 450 MOUNT STEPHEN AVE LUND COURT NAWTON YORK ENGLAND	B SC 2 WE 2 2588
BARKOVICH MATTHEW R 3453 SHUTER ST MTL 588 HUNT ST ARVIDA QUE	B ENG EL 4
BARKOVSKY WILLIAM JACOB MACDONALD COLLEGE 25 VICTORIA ST ST CATHARINES ONT	B SC P ED 2
BARLETTI GEORGES H N C O DR W POLAN 4455 KING EDWARD MTL BOREEN REID ST EXTENTION HAMILTON BERMUDA	MD CM 1 HU 4 5813
BARLOW DAVID DISNEY DOUGLAS HALL 10 SOUTH TERRACE THURLOE S Q S W 7 LONDON ENGLAND	B COM 1
BARNARD MARTIN JAMES E MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
BARNARD SYLVIA EVANS ROYAL VICTORIA COLLEGE PATTEN ROAD SHELBURNE FALLS MASS U S A	B A 4 VI 2 0147
BARNES CHARLES J MACDONALD COLLEGE 91 ST GERMAIN AVE TORONTO 12 ONT	B SC AGR 2
BARNES E ALAN 3481 GRANDE ALLEE MACKAYVILLE QUE	PARTIAL OR 6 3592
BARNETT ANNE ELIZABETH 4418 OXFORD AVE MONTREAL QUE	B A 4 HU 6 6635
BARNETT ELLEN 4876 WILSON AVE MONTREAL QUE	B A 1 HU 6 4315
BARON STEPHEN 3444 JEANNE MANCE ST MTL 4481 KINGS HIGHWAY BROOKLYN 34 N Y U S A	B A 4
BARR DONALD JOHN S BOX 1000 MACDONALD COLLEGE QUE	B SC AGR 3
BARREH MARY P 5182 EARNSCLIFFE AVE MONTREAL QUE	B SC N 2 HU 9 3187
BARRETT DONALD M 3520 VAN HORNE AVE APT 6 R59 NORTH SYCAMORE AVE LOS ANGELES CALIF U S A	L L M 1
BARRIE PATRICIA JEAN MACDONALD COLLEGE ONTARIO HOSP SCHOOL ORILLIO ONT	B SC H EC 2
BARRIE RONALD J 243 WESTCROFT RD BEACONSFIELD QUE	B ENG 2

NAME ADDRESS	COURSE & YEAR TEL. NO.
BARRIE WALLACE ALEXANDER 3581 UNIVERSITY ST MTL 24 DUNBAR AVE CORNWALL ONT	B ENG CIV 3 VI 9 1368
BARRON JOHN ROBERT BOX 66 MACDONALD COLLEGE	B SC AGR 2
BARROW RONALD M BRITTAIN HALL 11 BELMONT TERRACE P O S TRINIDAD T W I	B SC AGR 3
BARRY ELIZABETH M 3611 DECARIE BLVD MTL 182 PRINCESS ST ST JOHN N B	B SC N 2 HU 6 4967
BARRY ROGER GRAHAM 3669 LORNE CRES MONTREAL 18 QUE	M SC 2 VI 5 2492
BARTELL MARVIN 5246 JEANNE MANCE ST MONTREAL QUE	B A 3 CR 7 9224
BARTFELD YVONNE 780 BERTRAND ST VILLE ST LAURENT QUE	B ENG 1 RI 4 3166
BARTHA PETER FRANK 426 SHERBROOKE ST W APT 4 MONTREAL QUE	B A 2 VI 9 8788
BARTLETT ELINOR M 316 LANSDOWNE AVE WESTMOUNT QUE	B L S 1 WE 7 1088
BARTLETT NANCY MAE ROYAL VICTORIA COLLEGE 2184 HARRIS CRES BURLINGTON ONT	B A 1 VI 2 0829
BARTOK MARIA 5409 GROVEHILL PL MONTREAL QUE	B A 2 HU 8 6476
BARTOLINI JULIETTE 6015 MARCEAU AVE STE GENEVIEVE DE PIERREFONDS QUE	2 TCHRS
BARTON JOHN S 3625 OXENDEN AVE MTL 16 ROXBOROUGH APTS LAURIER W OTTAWA 4 ONT	PARTIAL VI 5 5893
BARTON RICHARD DONALD 4515 PRINCE OF WALES AVE MONTREAL QUE	B SC 4 HU 1 5439
BARWICK PETER EDWARD 377 PRINCE ARTHUR ST W 14 E THIRD AVE LITITZ PA USA	MD CM 1
BARZA MICHAEL JACOB 627 CARLETON AVE WESTMOUNT QUE	B SC 3 HU 4 8321
BARZELL WINSTON ISAAC 6485 LAVOIE ST APT 5 MONTREAL QUE	B SC 1 RE 7 4286
BASARKE BIR B SINGH 1519 BISHOP ST MTL 314 LAWRENCE AVE W TORONTO ONT	B ENG CIV 5 VI 2 3068
BASHANT GORDON H 3420 HUTCHISON ST APT 24 111 DICKINSON ST UTICA N Y USA	MD CM 4 VI 4 7890
BASTET MICHEL THOMAS 60 52ND AVE LACHINE QUE	B SC 2 ME 7 3279
BASTIAN GILLIAN V 1780 DUMFRIES RD MONTREAL QUE	PHYSIOTH 1 RE R 2950
BATA JUDITH EVE 5612 CANTERBURY AVE MONTREAL QUE	PH D 3 RE 3 1954

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BATALION HYMAN 2030 BRINTON RD MONTREAL QUE	MD CM 2 RE 3 4184
BATCHELOR GEORGE H 107 NORMANDY DR TOWN OF MT ROYAL QUE	MD CM 2 RE 3 5137
BATES CORNELIA M 555 SHERBROOKE ST W MTL 708 WINNIFRED SQUARE GLACE BAY N S	PHYSIOTH 2 VI 9 0030
BATES DAVID VINCENT 470 PORTLAND AVE TOWN OF MT ROYAL QUE	PH D 3
BATES GLENNA G STEWART HALL 470 BIRCH AVE ST LAMBERT QUE	3 TCHRS
BATIS THOMAS CLINTON 3654 HUTCHISON ST MTL R D 7 SCOTIA 2 N Y USA	MD CM 1 VI 5 4468
BATIST NANCY RUTH 5502 CLANRANALD AVE MONTREAL QUE	B SC 2 RE 3 3268
BATULA LUBOY L STEWART HALL 210 SAURIOL AVE WEST AHUNTSIC QUE	2 TCHRS 1
BATULA NADIA STEWART HALL 210 SAURIOL AVE WEST AHUNTSIC QUE	2 TCHRS 1
BAUDOUIN JEAN L M C 5451 DUROCHER ST MONTREAL QUE	B C L 4 CR 7 0202
BAUER GILA 3470 RIDGEWOOD AVE MONTREAL QUE	PARTIAL RE 1 6547
BAUER NICHOLAS 629 BLOOMFIELD AVE OUTREMONT QUE	B ENG 1 CR 4 1718
BAULU PATRICIA 3158 FENDALL AVE MONTREAL 26 QUE	B SC 2 RE 8 7284
BAUM ESTHER IDA 3976 MAPLEWOOD AVE MONTREAL QUE	B SC 3 RE 8 7671
BAUMFELD ARMINDA 2087 ST LUC ST APT 11 RUA DUVIVIER 37 APT 812 RIO DE JANEIRO BRAZIL	M S W 2
BAUMGARTEN GEORGE 752A QUERBES AVE OUTREMONT QUE	B ENG 2 CR 6 3415
BAUN KLAUS JACK 2044 ST JUST MONTREAL QUE	B SC 1 CL 5 7474
BAUSLAUGH PHILIP GARY 79 SIMCOE AVE TOWN OF MT ROYAL QUE	B SC 2 RE 7 6249
BAXTER WILSIE S 68 BELVEDERE RD WESTMOUNT QUE	PARTIAL WE 2 3344
BAYAT NAKOU M 3494 MCTAVISH ST MTL IRAN TEHRAN TADJRISH	B ENG 1
BAYNES RICHARD G 1441 DRUMMOND ST MTL HALLERT RD MATSQUI B C	D D S 1 VI 9 4171
BAZIN JOHN 3484 DUROCHER ST MTL 3307 49TH AVE VERNON B C	B ENG COM 5
BEACH JOHN R BRITTAIN HALL 265 13TH AVE RICHELIEU QUE	B ED 1
BEACOM STANLEY ERNEST MACDONALD COLLEGE MELFORT SASKATCHEWAN	PH D 3
BEAN GERARD WENTWORTH WILSON HALL RADNOR ROAD SHELLY BAY BERMUDA	B SC 3 VI 4 0624
BEATON MARGARET J 94 BROOKHAVEN AVE DORVAL QUE	2 TCHRS 1 ME 1 8684
BEATTIE DOREEN M MACDONALD COLLEGE R R 3 QUYON QUE	3 TCHRS
BEATTY ROBERT HAROLD 3473 UNIVERSITY ST MTL 30 MAYFAIR DR LONDON ONT	PH D 2
BEATTY SANDFORD WILLIAM MACDONALD COLLEGE 92 EDITH DR TORONTO ONT	B SC AGR 2
BEATTY SHIRLEY A 1533 MCGREGOR ST MTL 115 KENNEDY AVE TORONTO ONT	B SC N 2 WE 5 0212
BEAUBIEN NAN BOWLES 645 DOLLARD BLVD OUTREMONT QUE	M SC 1 CR 1 4482
BEAUCHAMP EMMY E BOX 138 MACDONALD COLLEGE QUE	B SC H EC 3
BEAUCHAMP ERIC GERALD MACDONALD COLLEGE ST PHILIPPE D ARG QUE	B SC AGR 3
BEAUCHAMP JAMES H 1064 DESMARCHAIS BLVD VERDUN QUE	2 TCHRS
BEAUCHAMP VERNA JEAN MACDONALD COLLEGE ST PHILIPPE D ARGENTEUIL QUE	2 TCHRS 2
BEAUCHEMIN JOSEPH PAUL E 5916 ESPLANADE AVE MONTREAL QUE	B ENG 1 CR 1 1465
BEAUCHEMIN PIERRE 4334 WESTMOUNT AVE MONTREAL QUE	B ENG CIV 4 WE 3 4406
BEAUDOIN GERARD 39A BELLEVUE ST DRUMMONDVILLE QUE	B ENG 1
BEAUDOIN JOSEPH BERTRAND 1037 ST JOSEPH BLVD MONTREAL QUE	B C L 4 AV 8 6916
BEAUDREAU JUDITH C MACDONALD COLLEGE 13 PROSPECT ST LENNOXVILLE QUE	3 TCHRS
BEAULIEU GUY 6760A DE VIMY MONTREAL 26 QUE	PH D 1 RE 3 7698
BEAULIEU RODOLPHE 2960 GOYER ST MONTREAL QUE	MED DIPL 2
BEAUREGARD MARC R 3790 VENDOME AVE MONTREAL QUE	B C L 3 HU 1 9896
BEAUSANG MICHAEL PATRICK 4990 GROSVENOR AVE MONTREAL QUE	B A 4 RE 3 0187
BEAVAN RONALD PAUL 2240 CAMBRIDGE RD MONTREAL 16 QUE	B SC 4 RE 3 7378

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BECHAMP REJEAN 425 MONT ROYAL O MONTREAL QUE	B ENG COM 5 CR 4 7681
BECHERVAISE LYNDEN G BRITTAIN HALL NEW CARLISLE QUE	P E DIP 1
BECK IVAN T 2515 MAPLEWOOD AVE MONTREAL QUE	PH D 3 RE 7 0279
BECK JOHN MICHAEL 7425 CANORA RD APT 211 MONTREAL 16 QUE	B ENG 1 RE 3 7752
BECK SUSANNE ELIZABETH 2202 BARCLAY AVE MONTREAL QUE	B A 4 RE 1 0931
BECKER ALEXANDER 452 BALL AVE MONTREAL QUE	M SC 1 CR 6 7870
BECKER DONNIE MIRIAM 4850 JEAN BRILLANT ST MONTREAL QUE	B A 3 RE 8 7469
BECKER LONA R MCLENNAN HALL BOX 700 BANFF ALTA	PHYSIOTH 3
BECKER ROBERT EDMOND 3525 DUROCHER APT 89 MTL 268 DWIGHT ST JERSEY CITY N Y U S A	MD CM 3 AV 8 2870
BECKER WERNER F K 8035 BLOOMFIELD AVE APT 2 MONTREAL QUE	MED DIPL 3 CR 9 4412
BECKERMANN MICHAEL FRANZ 3501 PEEL ST MTL HAMBURG 13 MITTELWEG 13 GERMANY	B ENG 3
BECKETT MICHAEL ERNEST 5719 COTE ST ANTOINE MTL P O BOX 340 VALLEYFIELD QUE	B SC 1 HU 6 9818
BEDARD PIERRE J G R 3620 HUTCHISON ST APT 12 MONTREAL QUE	B ENG MCH 5
BEDER DOUGLAS STANLEY 7522 GUELPH RD COTE ST LUC QUE	B SC 2 HU 1 2626
BEDFORD FREDERICK WARREN 205 CHAUSSE ST ST JEAN QUE	M SC 2
BEDFORD JONES PETER E 130 ALLARD AVE DORVAL QUE	M SC 1
BEDFORD NORMAN S 4755 ST KEVIN AVE APT 4 MONTREAL QUE	B ENG CIV 4 RE 3 0254
BEDIRIAN ANGEL MACDONALD COLLEGE 6015 MARCEAU ST DE PIERRES FOND QUE	2 TCHRS
BEDIRIAN SARKIS A 6015 MARCEAU ST STE GENEVIEVE DE PIERRES FOND QUE	H S D DIP
BEEBE MYRTLE J R R 1 ILE PERROT NORTH QUE	3 TCHRS
BEGOR ANNE CHARLOTTE 4581 KENSINGTON AVE MONTREAL 28 QUE	B A 1 HU 6 2352
BEHR SIMON HYMAN 2029 METCALFE ST APT 8 P O VERENA BRONKHORSTSPRUIT TRANSVAAL S AFRICA	M SC 2 VI 9 8270
BEHRMANN JOHN A 4090 ROYAL AVE MTL 240 HAMILTON PL HACKENSACK N J USA	D D S 3
BEINHAKER PHILIP HOWARD 4560 CIRCLE RD MONTREAL QUE	B ARCH 1 RE 7 1050
BEIQUE MICHAEL GEORGE 3656 DUROCHER ST MTL DONNACONA QUE	B A 3 AV 8 2680
BEITEL ARTHUR 5839 DECARIE BLVD MONTREAL QUE	B ARCH 1 RE 3 7683
BEKHOR EDWARD 2400 DECELLES AVE VILLE ST LAURENT QUE	B ENG 1 RI 4 6803
BELAND CLAUDE STE ANNES MILITARY HOSP STE ANNE DE BELLEVUE 3020 VAN HORNE AVE APT 12 MONTREAL QUE	MED DIPL 2
BELANGER ANDRE JACQUES 19 GLENCOE AVE MONTREAL 8 QUE	B COM 4 RE 8 7227
BELANGER MICHEL H 21 BELLEVUE WESTMOUNT QUE	B ENG CIV 4 WE 3 6123
BELANGER PIERRE ROLLAND 21 BELLEVUE WESTMOUNT QUE	B ENG PHY 5 WE 3 6123
BELBIN MARY E STEWART HALL 842 SUMMIT ST SHAWINIGAN QUE	B ED 1
BELCOURT JOHN DAVID 43 BARAT RD WESTMOUNT QUE	B ENG CIV 3 WE 2 0744
BELCOURT SUSAN ANNE ROYAL VICTORIA COLLEGE 125 WILLINGDON RD ROCKCLIFFE PARK OTTAWA ONT	B A 2
BELGRAVE DORINE A STEWART HALL MACDONALD COLLEGE 137 BELMONT CIRCULAR RD PORT OF SPAIN TRINIDAD T W I	B SC H EC 1
BELINSKY MORTON MORRIS 1120 LAJOIE AVE APT 9 OUTREMONT QUE	B SC 3 CR 9 0690
BELISLE JACQUES A 10242 MERRITH ST MONTREAL QUE	B C L 4 DU 7 8880
BELITSKY PHILIP 4755 BOUCHETTE AVE MONTREAL QUE	B A 4 RE 8 7442
BELITZKY DONNA 6222 DE VIMY AVE MONTREAL QUE	B A 2 RE 3 4354
BELL DONALD E 3655 STE FAMILLE ST APT 83 MTL 24 WINNIFRED ST SMITHS FALLS ONT	D D S 3 AV 8 2854
BELL JOEL IAN 233 SHERATON DR MONTREAL WEST QUE	B A 1 HU 4 9880
BELL THOMAS STEWART 7 MORRISON AVE TOWN OF MT ROYAL QUE	B SC 1 RE 8 0255
BELLEFLEUR GILLES N 8574 CHATEAUBRIAND MONTREAL QUE	B ENG CH 4 DU 7 7288
BELLIN EMILE 4759 VICTORIA AVE MONTREAL QUE	B SC AGR 1 HU 1 5391

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BEN YEHUDA ELIEZER 4814 CLARKE ST MTL BEN YEHUDA HOUSE TALPIOT JERUSALEM ISRAEL	B SC 1 VI 9 9008
BENAIM SHIRLEY Y 1155 SECOND AVE VERDUN QUE	MD CM 2 PO 9 5268
BENARD DE BAST JEAN L H 500 WOOD MONTREAL QUE	B ENG 2 WE 2 5337
BENCZE STEVEN 50 GILBAULT MONTREAL QUE	B ENG 2 AV 8 4814
BENIMA BENNO P O BOX 175 WESTMOUNT QUE	B SC 3 VI 9 8788
BENJAFIELD JOHN GRANT 6131 TERREBONNE AVE MONTREAL QUE	B SC 1 HU 4 3183
BENJAMIN MARTHA LOUISE 720 ABERDARE RD MONTREAL 16 QUE	M L S 3 RE 7 3963
BENNETT EDWARD M 4912 LA PELTRIE MONTREAL QUE	P E DIP 1 RE 8 3308
BENNETT MICHAEL F ROYAL VICTORIA HOSPITAL MONTREAL QUE	MED DIPL 4
BENNETT MICHAEL HENRY 3429 PEEL ST MTL 77 PARK AVE OAKVILLE ONT	B COM 1
BENNETTS JUDITH 22 DE CASSON RD WESTMOUNT QUE	B A 1 WE 3 3936
BENNETTS RICHARD JAMES 22 DE CASSON RD WESTMOUNT QUE	B C L 1 WE 3 3936
BENOIT JOHN EUGENE JR 28 TULIP AVE DORVAL QUE	B ENG 2 ME 1 6174
BENSON BERNARD ROBERT 5992 DOLBEAU ST MONTREAL QUE	B C L 4 RE 1 0255
BENSON DAVID GWYN 3660 LORNE CRES APT 25 UPPER DERBY NORTHUMBERLAND CO NEW BRUNSWICK	PH D 4 VI 4 2443
BENTKOWSKI RAYMOND JAMES 520 MARLATT ST VILLE ST LAURENT QUE	B SC 3 RI 4 3635
BENTLEY KENNETH C 586 SMART AVE COTE ST LUC QUE	MD CM 1 HU 9 1689
BENTLEY PHILIP ALDEN 4750 ONTARIO ST E APT 41 MTL R R 1 BERWICK N S	M SC 2
BENTON CORNING 3281 FOREST HILL AVE APT 3 MTL EXETER N H USA	MD CM 4 RE 7 4812
BER ABRAM 595 BLOOMFIELD AVE APT 4 MONTREAL QUE	B SC 1 CR 6 1693
BERAZNIK ELEANOR 5129 WESTBURY AVE MONTREAL QUE	2 TCHRS RE 7 8152
BERCEL EUGENE 2039 MCGILL COLLEGE AVE MONTREAL QUE	B ENG 1 AV 8 7337
BERCOVITCH DAVID LEANORD 5155 TRANS ISLAND AVE MONTREAL QUE	B ENG EL 3 HU 4 9181
BERCOVITCH MONA RHEA 164 SPRINGGROVE CRES MONTREAL QUE	B A 3 CR 9 3800
BERCOVITCH SAMUEL 3225 LINTON BLVD APT 12 MONTREAL QUE	B SC 3 RE 8 5967
BERCUSON MARGERY FRANCES 6207 MACDONALD AVE MONTREAL QUE	B A 2 RE 8 4654
BERCUSSON JOSEPH 545 DAVAAR AVE OUTREMONT QUE	PARTIAL CR 2 9073
BERDEY ROBERT WILLIAM 354 MILTON ST MTL 200 BURMA ST ARVIDA QUE	B C L 1 VI 2 3011
BERENYI YULIKA 4961 BARCLAY AVE MONTREAL QUE	B A 2 RE 1 5594
BERES JUDITH ORAH 4501 DECARIE BLVD MONTREAL 29 QUE	B SC 3 HU 8 5696
BEREZNY JOHNNY 7764 CENTRALE ST VILLE LASALLE QUE	B ENG CH 5 PO 8 7365
BERG ELISABETH MARIA 95 CLOVERDALE AVE DORVAL QUE	B ENG 2 ME 1 3945
BERG IAN STANLEY 1025 PINE AVE W MTL 14 AUERTON AVE LEEDS 17 ENGLAND	MED DIPL 2
BERGEL ALEXANDER J 889 HOWARD AVE MONTREAL 15 QUE	B ENG MCH 4 CR 2 9123
BERGER BENNY 3971 ST URBAIN ST MONTREAL QUE	B C L 2 VI 2 7547
BERGER EMIL 3563 DUROCHER ST APT 6 MONTREAL QUE	M SC 2 VI 4 5034
BERGER JASON MILTON 3641 OXENDEN AVE MONTREAL QUE	B A 1 VI 5 7893
BERGERON IVAN PIERRE M 2147 VENDOME AVE MONTREAL QUE	B ENG EL 4
BERGMAN MAURICE 53 MCHIDER AVE OUTREMONT QUE	B ARCH 6 CR 9 3660
BERGSTEDT VIRGIL L 3570 SHUTER ST MTL RTE 1 SEDRO WOOLLEY WASH U S A	MD CM 4
BERGSTEINSSON ELLEN OLIVE ROYAL VICTORIA COLLEGE MONTREAL QUE	B COM 3 VI 2 0847
BERHANE TAFARI 3558 LORNE AVE MTL ATO REZENE BERHANE STATE PROPERTY ASMARA ERITREA	B C L 1 VI 9 9944
BERKE CARL STEPHEN 5541 BRADFORD PL MONTREAL 26 QUE	B SC 2 RE 7 2241
BERKE NANCY 7130 ALEXANDRA ST MONTREAL QUE	B SC 1 RE 8 7970
BERKES THOMAS JANOS 1116 BURNSIDE ST MONTREAL QUE	B ARCH 3 VI 4 6729
BERKOFSKY LORNA LOUISE STEWART HALL 4536 EARNSCLIFFE AVE MONTREAL QUE	B SC H EC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BERLIN IRMA BARBARA 2162 NANTAL ST VILLE ST LAURENT QUE	PARTIAL RI 8 7170
BERLINER KATHLEEN 4894 LA PELTRIE MONTREAL QUE	3 TCHRS RE 8 7210
BERMAN SANDRA 6 COLLEGE ST STE ANNE DE BELLEVUE 5047 BORDEN AVE MONTREAL QUE	3 TCHRS
BERMINGHAM MICHAEL JOHN F 2575 CONTRECOEUR ST MONTREAL QUE	B ENG 1 CL 5 2271
BERMUDEZ ALEJANDRO D 649 MILTON ST MTL APTDO 829 MANAGUA NICARAGUA C A	PARTIAL AV 8 5313
BERNARD CHARLES KEITH 59 CIRCLE RD ILE BIGRAS QUE	B ENG MCH 3 MU 9 0458
BERNARDIN SUZANNE L 23 SPRINGGROVE CRES OUTREMONT QUE	B ED P ED 1
BERNICK DIANE VICTORIA ROYAL VICTORIA COLLEGE 29 COMMERCIAL ST GLACE BAY N S	B SC 2 VI 2 0571
BERNSTEIN AARON D 6275 NORTHCREST PL APT 721 MONTREAL QUE	MD CM 2 RE 8 2550
BERNSTEIN ALLAN E 905 OGILVY AVE APT 2 MONTREAL 15 QUE	3 TCHRS CR 6 2166
BERNSTEIN BRAM HENRY 5180 HAMPTON AVE MONTREAL QUE	B A 3 HU 6 8189
BERNSTEIN GERALD JOSEPH 34 LAVIOLETTE AVE OUTREMONT QUE	B SC 1 CR 6 2212
BERNSTEIN HEATHER RITA 4864 HINGSTON AVE MONTREAL QUE	B A 2 HU 4 1492
BERNSTEIN JERROLD 206 WILLOWDALE AVE MONTREAL QUE	MD CM 1 RE 8 1556
BERRILL ELSILYN JANE 3521 UNIVERSITY ST MONTREAL 2 QUE	PHYSIOTH 1 VI 5 6933
BERRIMAN N B 6931 MONK BLVD MONTREAL QUE	B ENG 1 PO 8 1242
BERRY CAMERON GEORGE 4625 DRAPER AVE MONTREAL QUE	B SC 3 HU 6 3575
BERRY JOHN WIDDUP 751 LAC ST LOUIS RD VILLE DE LERY QUE	B ENG 2
BERRY LEONARD MICHAEL 3430 DRUMMOND ST MTL 2024A AVENUE RD TORONTO 12 ONT	B COM 2 VI 2 0789
BERRY LOUIS H 3484 HUTCHISON ST MTL 17 WILLOWMERE AVE MONT CLAIR N J USA	PARTIAL AV 8 2555
BERSON SEENA 5317 EARNSCLIFFE AVE MONTREAL QUE	3 TCHRS HU 1 3796
BERTALOT RENZO 6715 12TH AVE MONTREAL 36 QUE	S T M 1
BERTOK ENDRE IMRE P O BOX 149 MACDONALD COLLEGE LSABADSAY 19 PECS HUNGARY	M SC 1
BERTRAND GUY 3466 SHUTER ST APT 311 STE LUCIE DE BEAUREGARD CTE MONTMAGNY QUE	B C L 1
BERTRAND ROBERT F 4634 HINGSTON AVE MONTREAL 28 QUE	B ENG CIV 5 HU 1 7560
BERU ASSEFA 3509 HUTCHISON ST APT 25 MINISTRY OF EDUCATION ADDIS ABEBA ETHIOPIA	B C L 4 AV 9 9811
BERWICK JAMES MCKAY 528 ARGYLE AVE WESTMOUNT QUE	B ENG 1 WE 5 2858
BESEL LORINE 490 PRINCE ARTHUR ST W APT 5 MTL 51 GOMEZ ST WINNIPEG MAN	B N 1 VI 5 9472
BESSNER MORTON H 5580 GATINEAU AVE APT 19 MONTREAL QUE	B C L 3 RE 1 4291
BESWICK BERNARD EUGENE 920 46TH AVE LACHINE QUE	B SC 2 ME 7 0536
BETHUNE ALAN EDWARD 82 PARDO AVE POINTE CLAIRE QUE	B ENG MCH 4
BETHUNE BEVERLY JEAN 82 PARDO AVE POINTE CLAIRE QUE	2 TCHRS 1
BEUGLET CLAUDE HECTOR 2235 PRUDHOMME AVE APT 12 MONTREAL 28 QUE	B ENG CH 5 HU 9 1756
BEWN FREDERICK WILLIAM 3475A STANLEY ST APT 16 MONTREAL QUE	B C L 4 AV 8 3650
BEY ANNA 3880 MAPLEWOOD AVE MONTREAL QUE	B A 2 RE 3 8017
BEYER WERNER HANS 3280 GOYER ST MTL LANCASTER ROAD WHITEFIELD NEW HAMPSHIRE U S A	B SC 2 RE 3 7652
BHARGAVA SUBHAS 1441 DRUMMOND ST MTL 101 ROBERTSON AVE CORNWALL ONT	B ENG MCH 3
BIADGILIGN GABRE M 3558 LORNE AVE MTL ATO SEYOUM BIAOGILIGN P O BOX 1822 ADDN ABEBA ETHIOPIA	B C L 1 VI 9 9944
BIBERMAN BARRY 2296 FULTON RD MONTREAL 16 QUE	B C L 1
BIBLE KATHERINE 758 SHERBROOKE ST WEST APT 11 MONTREAL QUE	PARTIAL
BICKIS IVARS JANIS 3582 DUROCHER ST MTL 56 FINDLAY AVE OTTAWA ONT	PH D 4
BIDDLE JOHN SIMPSON 7478 OUTREMONT AVE MONTREAL 15 QUE	B ENG 2 CR 9 2431
BIDER CATHERINE M 50 PRINCE EDWARD AVE VALOIS QUE	HDICRAFTS 1
BIEDERMANN MARY MARGARET 318 GENEVA CRES TOWN OF MT ROYAL QUE	B COM 3 RE 8 4836

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
BIELSKI WALTER 11210 TOLHURST ST MONTREAL QUE	DU 9 0157	B C L 1
BIER LEON 6053 WILDERTON CRES MONTREAL QUE	RE 8 7259	B ENG 1
BIERBRIER BENNY 5590 VICTORIA AVE APT 12 MONTREAL 26 QUE	RE 7 9947	B SC 2
BIERBRIER EDWARD GERALD 931 DUNLOP AVE MONTREAL QUE	RE 7 1381	B COM 2
BIERMAN ERIC 591 POWELL AVE TOWN OF MT ROYAL QUE		B ENG 2
BIGGAR JOAN EVA JANET 225 WESTMINSTER AVE N MONTREAL WEST QUE	HU 1 6880	B A 2
BIGGS MARJORIE AGATHA 2037 REGENT AVE MONTREAL 28 QUE	HU 8 4809	B A 1
BIGMAN SUSAN ROYAL VICTORIA COLLEGE 890 BEGIN AVE QUEBEC CITY QUE	VI 2 0334	B A 4
BIKADOROFF NATASHA 3472 SHUTER ST MONTREAL 18 QUE	VI 2 3049	B SC 1
BILDFELL LESLIE G 4206 ST JOSEPH ST LACHINE QUE		B A 2
BILEESKY RALPH 4692 MAPLEWOOD AVE MONTREAL QUE	RE 7 8050	MD CM 2
BILEVICIUS MARY MILDA M 2518 VAUQUELIN ST MONTREAL QUE	RA 2 6536	B SC 4
BILLHAM JOHN A HENRY 266 LANSDOWNE AVE WESTMOUNT QUE	WE 5 7318	B ENG CH 4
BILLINGSLEY ANDREW GORDON WILSON HALL 95 RENFREW AVE OTTAWA 1 ONT		B SC 3
BILODEAU FERNAND 1625 SAUVE ST APT 7 MTL 356 17TH ST QUEBEC CITY QUE	DU 8 2816	M ENG 1
BILODEAU RONALD R 3466 MCTAVISH ST MTL 95 WAVERLY ST PROVIDENCE R I USA	AV 8 9533	MD CM 2
BINDON ELIZABETH F 3480 WALKLEY AVE MONTREAL QUE	HU 4 5327	2 TCHRS 2
BINEK SYLVESTER J 4542 DECARIE BLVD MONTREAL 29 QUE	HU 8 0866	B ENG 2
BINHAMMER HELMUT HERBERT 1490 FORT ST APT 409 MTL 20 BARRIE ST KINGSTON ONT	WE 2 6483	PH D 2
BINMORE DAVID ALEXANDER 500 PRINCE ALBERT AVE WESTMOUNT QUE	HU 4 5220	B ENG 1
BINNEY JOHN CADMAN 5 KINDERSLEY AVE TOWN OF MT ROYAL QUE	RE 8 3577	B SC 4
BINNIE WILLIAM IAN C 3605 UNIVERSITY ST MTL 6 MCKENZIE AVE TORONTO ONT	AV 8 0643	B A 2
BIONDI CHARLES NORRIS 3426 STANLEY ST MTL 1201 HUNTINGTON AVE ALEXANDRIA VIRGINIA USA	VI 4 0360	L L M 1
BIRBARA CHARLES ALLEN DOUGLAS HALL 115 ORIENT ST WORCESTER 4 MASS U S A		MD CM 1
BIRCH MONICA MAVIS ROYAL VICTORIA COLLEGE 180 12TH ST QUEBEC CITY 3 QUE	VI 2 0526	B SC 4
BIRCHENOUGH ARTHUR JAMES 5733 DES ERABLES AVE MONTREAL 36 QUE	CR 6 8801	B ENG EL 3
BIRCHWOOD KENNETH MICHAEL 5255 WALKLEY AVE APT 3 16 L EPINET ST MORVANT TRINIDAD B W I	HU 8 7859	B SC 3
BIRD PATRICIA A MACDONALD COLLEGE YAMACHICHE QUE		B SC H EC 1
BIRKS ROBERT W M 15 KILBURN CRES HAMPSTEAD QUE	HU 1 4552	B A 2
BIRNBAUM ROBERT 2475 VAN HORNE APT 9 MONTREAL QUE	RE 7 9482	B SC 1
BIRNBOM LIONEL 5397 GROVEHILL PL MONTREAL QUE	HU 4 7877	B ENG EL 3
BIROL HAYRI 3640 SHERBROOKE ST W MONTREAL QUE	RE 8 0433	B ENG PHY 4
BIRON PIERRE 1462 ST JOSEPH BLVD MONTREAL QUE	LA 2 1736	M SC 1
BISHARA EDWARD 5810 WILDERTON AVE MONTREAL QUE	RE 3 5651	B SC 2
BISHKO IVAN PETER 3512 DUROCHER ST MTL MEATH PARK SASK	VI 4 0481	M SC 1
BITHER CARL R 5170 WESTHILL AVE APT 4 R F D 4 HOULTON MAINE U S A	HU 9 5984	D D S 3
BITTAR NEVILLE 3851 UNIVERSITY ST MTL P O BOX 1791 BEIRUT LEBANON	VI 4 0977	MD CM 2
BLACHFORD JOHN 517 ROSLYN AVE WESTMOUNT QUE	WE 7 1908	B ENG CH 5
BLACK HEATHER J 217 STANSTEAD AVE TOWN OF MT ROYAL QUE	RE 8 4126	HDICRAFTS 1
BLACK JOHN EARLE 710 GOHIER ST VILLE ST LAURENT QUE	RI 7 1815	B ENG PHY 5
BLACK NORMAN JOHN 6779 35TH AVE MONTREAL 36 QUE	RA 2 9560	B A 2
BLACK WARREN ALAN 4568 ROYAL AVE MONTREAL 28 QUE	HU 4 2534	B A 1
BLACKBURN DOROTHY E STEWART HALL POLTIMORE QUE	2 TCHRS	1
BLACKIE ROBERT L 3665 PARK AVE MTL 60 BURKES RD BEACONSFIELD BUCKS ENGLAND	AV 8 9864	B ENG 1
BLACKMAN DOREEN 4625 MAPLEWOOD AVE MONTREAL QUE	RE 8 6835	B A 2
BLACKWOOD EGERTON GEORGE 3708 JEANNE MANCE ST MTL WALDERSTON P O JAMAICA B W I	VI 5 2693	B SC 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BLAGA AUREL 5624 GATINEAU ST MONTREAL QUE	PH D RE 8 9518
BLAIKLOCK WILLIAM MUSGRAV 1425 ATHLONE RD TOWN OF MT ROYAL QUE	B ENG MCH 4 RE 3 8903
BLAIN ADELLA MARGARET ROYAL VICTORIA COLLEGE 130 PARK PL SAULT STE MARIE MICHIGAN U S A	B SC 1 VI 9 0030
BLAIR ALBERT JAMES JR 3025 SHERBROOKE ST W APT 28 MTL 1 LEIGHTON RD WELLESLEY 81 MASS U S A	PH D 3 WE 7 3173
BLAIR KNOWLTON AUGUSTUS 485 SHERBROOKE ST W MTL 97 GREENLODGE ST DEDHAM MASS U S A	B A 2 VI 5 0734
BLAIR ROBERT 6765 ST VALLIER ST MONTREAL QUE	PARTIAL CR 2 7787
BLAIS JOSEPH A 3704 PARK AVE MONTREAL QUE	B SC 2 VI 5 1318
BLAIS JOSEPH J 4846 ST LAWRENCE BLVD MONTREAL QUE	B ENG 1 VI 9 3313
BLAJCHMAN HYMAN 5251 VICTORIA AVE APT 4 MONTREAL 26 QUE	B ENG EL 4 RE 3 9497
BLAJCHMAN MORRIS AARON 5251 VICTORIA AVE APT 4 MONTREAL 26 QUE	B SC 3 RE 3 9497
BLAKE DOROTHY JOSEPHINE 3664 STE FAMILLE ST MTL 6 HALDANE AVE KINGSTON JAMAICA B W I	B A 3 VI 5 6708
BLAKE LIONEL F T 3478 MCTAVISH ST MONTREAL QUE	B SC 3 VI 2 7412
BLAKE ROBERT LLOYD GEORGE 279 6TH AVE ST EUSTACHE SUR LE LAC QUE	B ENG MI 3
BLAKE ROY M S 3544 HUTCHISON ST APT 101 MTL 17 DEWSBURY AVE LIGANEA JAMAICA W I	MD CM 4 VI 4 4782
BLAKER RODERICK B 5365 MONKLAND AVE MONTREAL QUE	B C L 1 HU 4 6344
BLANAR JAROSLVA VLASTA J 2982 SOISSONS AVE MONTREAL 26 QUE	B SC 1 RE 3 4467
BLANCHARD BARBARA JOANNE 4350 PRINCE OF WALES AVE MONTREAL 28 QUE	B SC 2 HU 1 9413
BLANCHARD BERNARD E 9445 CHATEAUBRIAND MONTREAL QUE	B C L 3 DU 9 5536
BLANSHAY BERNARD 2631 SOISSONS AVE MONTREAL QUE	B COM 4 RE 8 7163
BLANSHAY EDWARD I 4946 GROSVENOR AVE MONTREAL QUE	B C L 4 HU 1 9476
BLANSHAY LIONEL JUDAH 4946 GROSVENOR AVE MONTREAL QUE	B A 2 HU 1 9476
BLATT HARVEY MICHAEL 5440 LEGARE ST MONTREAL [illegible]	B COM 3 RE 8 8270
BLATT MARTIN 5940 SHERBROOKE ST W APT 2 MONTREAL QUE	B COM 4 HU 4 5091
BLATT SAMUEL 4965 COTE ST CATHERINE APT 15 MONTREAL 29 QUE	B ENG EL 3 RE 3 4547
BLAU SANDRA LENORA 4707 LACOMBE AVE MONTREAL QUE	B A 4 RE 7 9123
BLAUER MARVIN 5214 MOUNTAIN SIGHTS AVE MONTREAL QUE	B ENG 1 HU 6 7654
BLAYLOCK SUSAN JENNIFER 116 STRATHEARN AVE MTL MONTEE DU MONK ILE BIZARD QUE	B A 3
BLEICHERT ALFRED MAX R R 1 LAPRAIRIE QUE	B SC 2 OL 9 1778
BLEICHERT ERNEST FRANCIS R R 1 LAPRAIRIE QUE	B SC 2 OL 9 1778
BLEIER GEORGE 522 SHERBROOKE ST W APT 27 MONTREAL QUE	B ENG MCH 5 AV 8 3918
BLEVINS MARY ELLEN STEWART HALL 98 7TH AVE GRANDMERE QUE	3 TCHRS
BLEVINS MARGARET JOAN 4552 CORONATION AVE MONTREAL 28 QUE	B A 1 HU 4 0479
BLEVIS EARL HOWARD BOX 43 89 MACDONALD COLLEGE QUE	PH D 4
BLICKER STANLEY 4855 DORNAL AVE MONTREAL QUE	B SC 4 RE 8 6021
BLINDER SERGE M 5329 DECARIE BLVD APT 2 MONTREAL QUE	B ENG 1 HU 1 3939
BLISS JAMES QUARTUS 3547 UNIVERSITY ST APT 17 MONTREAL QUE	PH D 3 VI 5 9647
BLITT PINCHAS E 4505 PLAMONDON AVE MONTREAL QUE	B C L 4 RE 8 0241
BLITT RITA 5380 BRODEUR AVE MONTREAL QUE	B A 2 HU 4 9550
BLIZZARD ALAN CYRIL 880 JOLIETTE ST MONTREAL SOUTH QUE	B SC 1 OR 7 4164
BLOCK LILLIAN E 33 ST GEORGES ST STE ANNE DE BELLEVUE 2025 BARCLAY AVE MONTREAL QUE	2 TCHRS
BLOND DAVID HARRY 4877 CIRCLE RD MONTREAL QUE	B A 1 HU 4 6869
BLOND JOYCE 2168 SHERBROOKE ST W MONTREAL QUE	B C L 1 WE 7 2029
BLONDIN LOUIS P 1680 SHERBROOKE ST E APT 5 MTL NICOLET QUE	B ENG 1 1 6854
BLONDIN PIERRE C 8 SENNEVILLE RD STE ANNE DE BELLEVUE QUE	P E DIP 2
BLOOM DAVID MYRON 1477 CHOMEDEY ST MTL 52 DAVIS ST BINGHAMTON N Y U S A	MED DIPL 2 WE 7 5289

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
BLOOM THOMAS 5176 BOURRET AVE MONTREAL QUE	B SC 1 RE 8 1366
BLOOME FRANCINE 464 GLENGARRY AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 8150
BLOOMFIELD DAVID AARON 768 PRATT AVE OUTREMONT QUE	B ENG CH 3 RE 8 9064
BLOOMFIELD JUDY 768 PRATT AVE OUTREMONT QUE	B SC 4 RE 8 9064
BLOOMFIELD ROSLYN 1 GARDEN CITY STE ANNE DE BELLEVUE 3744 MACKENZIE ST MONTREAL QUE	3 TCHRS
BLOSTEIN MAIER LIONEL 5750 DARLINGTON AVE APT 12 MONTREAL QUE	M ENG 2 RE 3 9569
BLOSTEIN RHODA 5750 DARLINGTON AVE APT 12 MONTREAL QUE	PH D 3 RE 3 9569
BLUM FRANK JULIUS 3251 LACOMBE AVE MONTREAL QUE	M A 3 RE 3 0783
BLUM SAUL CHARLES 4657 ESPLANADE AVE MONTREAL QUE	PH D 2 VI 4 8791
BLUME WARREN T 1487 CHOMEDEY ST APT 10 MONTREAL QUE	MD CM 1
BLUMENSTEIN LEONARD M 4815 QUEEN MARY RD MONTREAL QUE	B A 1 RE 7 2233
BLUMER HERBERT M 5760 DECELLES AVE APT 308 MONTREAL QUE	MED DIPL 2 RE 7 8547
BLUMER JOSEPH S 5053 PONSARD AVE MONTREAL 6 QUE	B C L 1 HU 1 5538
BLUNDELL JOAN THERESA M 3775 HARVARD AVE MONTREAL QUE	B COM 2 HU 1 4575
BLUNT PETER REXFORD 40 DUFFERIN RD HAMPSTEAD QUE	B SC 3 HU 1 2232
BLUSTEIN JOAN 21 LEGAULT AVE STE ANNE DE BELLEVUE 8375 OUTREMONT AVE MONTREAL QUE	3 TCHRS
BLUSTEIN JOSEPH E 4450 BEACONSFIELD AVE MONTREAL 28 QUE	MD CM 2 HU 4 1940
BLUSTEIN VENA HELEN 4450 BEACONSFIELD AVE MONTREAL 28 QUE	B A 1 HU 4 1940
BLY SANDRA RITA 7A STE JACQUES ST STE ANNE DE BELLEVUE 4113 KENT AVE MONTREAL QUE	3 TCHRS
BOBKOWICZ ANDREW JOHN 364 REDFERN AVE WESTMOUNT QUE	M ENG 1 WE 5 3443
BOBROW PHILIP DAVID 3780 ST KEVINS AVE APT 3 MONTREAL QUE	B ARCH 5 RE 7 0230
BOGANTE MARTIN DONALD 4252 HINGSTON AVE MONTREAL QUE	B A 4 HU 4 5601
BOGDANOFF DAVID WELLS 33 NORMANDY RD BAIE D URFEE QUE	B SC 2
BOGERT KATRINA V N ROYAL VICTORIA COLLEGE 41 HIGHLAND AVE ROWAYTON CONN	B A 4
BOGERT SAUNDRAY P 1 RIVERHEAD MACDONALD COLLEGE 4300 WESTERN AVE WESTMOUNT QUE	3 TCHRS
BOGGIS ROLFE NICHOLAS WILSON HALL 9 SCARSDALE VILLAS LONDON W 8 ENGLAND	B ENG 1 VI 4 0624
BOGGS BRENDA M 566 CLAREMONT AVE WESTMOUNT QUE	B ED 2 HU 6 3600
BOGO NORMAN HARVEY 7508 QUERBES AVE OUTREMONT QUE	B SC 2 CR 7 0042
BOGOCH RONALD 5601 CLANRANALD AVE MONTREAL QUE	B ENG 1 RE 7 7421
BOGUE JOHN E DOUGLAS HALL 761 ACACIA RD ROCKCLIFFE PARK OTTAWA ONT	B ENG 2
BOHM JANE 1860 DORCHESTER W MTL 1826 SHERBROOKE ST W MONTREAL QUE	PARTIAL WE 2 1146
BOHME EKKEHARD H W 3600 RIDGEWOOD AVE APT 500 MONTREAL 16 QUE	B SC 2 RE 3 2632
BOHME REINHARD DIETMAR 3600 RIDGEWOOD AVE APT 500 MONTREAL 16 QUE	B SC 4 RE 3 2632
BOIDMAN JACK BERNARD 6205 FIELDING AVE MONTREAL QUE	B COM 1 HU 9 5031
BOIDMAN NATHAN 5255 WESTBURY AVE MONTREAL QUE	B COM 1 RE 7 4083
BOILEAU DOUGLAS R 1471 FORT ST MONTREAL QUE	B ENG 2 WE 5 6147
BOISSONNAULT JOHN R 3581 UNIVERSITY ST MTL 362 MURDOCK AVE TIMMONS ONT	B SC 3
BOISVERT CLAUDE DOUGLAS HALL 125 TREMOY NORANDA QUE	M C L 1
BOISVERT MARCEL 357 CURZON AVE ST LAMBERT QUE	MD CM 2 OR 1 6801
BOIVIN GILLES 3546 EVELYN ST VERDUN QUE	B ARCH 2 PO 8 7971
BOIX JOSE A 3465 SIMPSON ST MTL P O BOX 597 SANTIAGO DE CUBA CUBA	B ENG 1 WE 5 0333
BOKIJ ALEXANDER 6750 36TH AVE MONTREAL 36 QUE	B ENG EL 3 RA 8 5372
BOLAND CLIFFORD K BRITTAIN HALL 216 BERTHIER ST ARVIDA QUE	B ED 1
BOLAND COOPER TREVOR FITZ 3493 SHUTER ST MTL 11C CARIB ST SAN FERNANDO TRINIDAD B W I	B SC 3

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
BOLDON BERTRAM THOMAS 3539 LORNE AVE APT 6 MTL 86 NELSON ST PORT OF SPAIN TRINIDAD B W I	VI 2 0476	B A 3
BOLDUC MICHEL D 809 GILFORD ST MONTREAL QUE	LA 3 7146	B ENG 1
BOLOTEN SIDNEY MARVIN 2520 VAN HORNE AVE APT 16 MONTREAL QUE	RE 3 2917	B SC 1
BOLTON RICHARD ANDREW E 4325 MONTROSE AVE WESTMOUNT QUE	WE 5 7873	B SC 3
BOLTON RICHARD ROTHWELL 3475 STANLEY ST APT 6 MONTREAL QUE	VI 2 3573	B ENG 2
BOND DIANA M 3610 LORNE CRES APT 2 MAPLEHURST HORNBY ISLAND B C	AV 8 3020	B SC N 2
BONDAR RICHARD J L WILSON HALL 5 BLUE SEA LANE GREAT NECK N Y U S A		B SC 1
BONDAR WILLIAM F 3436 DUROCHER ST APT 6 231 TAMARACK ST TIMMINS ONT	VI 4 6658	B ENG 2
BONE CHRISTINE VICTORIA 97 STRATFORD RD HAMPSTEAD QUE	HU 6 1895	B A 1
BONETTO GILLES S 6731 DROLET ST MONTREAL 10 QUE	CR 7 4962	B ARCH 3
BONIM ORA 3350 COTE ST CATHERINE MONTREAL QUE	RE 3 9004	B SC 2
BONNEAU JOSEPH PIERRE B SAINT MATHIEU CO LAPRAIRIE QUE	MI 3 8478	B ENG MCH 3
BONNER GEORGE D 5 48TH AVE LACHINE QUE	ME 7 3672	B ENG CIV 5
BONNIER CLAUDE A 555 RIVERSIDE ST LAMBERT QUE	OR 1 7470	B ENG 2
BONNLANDER BENJAMIN H 495 PRINCE ARTHUR ST W APT 4 MTL R F D 1 CHESTER VT U S A	MD CM 4	
BONYUN DAVID AUSTIN 4395 GRAND BLVD MONTREAL QUE	HU 1 6638	M A 1
BOODE MARINUS FRANKISCUS 4720 QUEEN MARY RD APT 11 MONTREAL QUE	RE 7 1884	B SC 4
BOOKMAN BERNARD 6290 WESTBURY AVE MONTREAL 29 QUE	RE 7 0393	B ENG MCH 4
BOONE ALAN W DOUGLAS HALL 54 THIRD ST PRESAVE ISLE ME U S A	MD CM 1	
BOOSEY NEGEL MARCHANT C O MRS TWEEDIE 56 KINDERSLEY AVE MTL BOURNE ORCHARD BRICKENDON HERTFORD HERTS ENGLAND	RE 7 2284	B ENG 1
BOOTE MAURICE JOHN P O BOX 62 FREDERICTON N B	PH D 4	
BORDELEAU ALDOR 3512 DUROCHER ST MTL FUGEREVILLE CO TIMISC[illegible]NG QUE	B ENG PWR 5	

NAME ADDRESS	TEL. NO.	COURSE & YEAR
BOREHAM BERNARD R W MACDONALD COLLEGE R R 2 DANVILLE RICHMOND QUE		AGR DIP 1
BOREHAM WILLIAM RAY 5529 WELLINGTON ST VERDUN QUE		B ENG 1
BORENSTEIN LIONEL 3947 CLARK ST MONTREAL QUE	AV 8 7505	B SC 3
BORENSTEIN STANLEY 5811 DAVIES AVE COTE ST LUC QUE	HU 8 7531	B A 2
BORGER SONDRA J E 49 SUMMERHILL AVE VALOIS GARDENS QUE		B SC 1
BORIGHT ROBERT R 4068 GREY AVE MONTREAL 28 QUE	HU 6 5980	MED DIPL 2
BORLAND RONALD JAMES 6955 STUART AVE MONTREAL 15 QUE		B ENG 2
BORLASE WALTER HENRY 5585 NOTRE DAME DE GRACE MONTREAL QUE	HU 6 8175	B ENG COM 5
BOSCHER ALAIN JEAN A M 1533 MCGREGOR ST APT 86 40 RUE SCHEFFER PARIS 16 FRANCE	WE 2 8786	B SC 4
BOSNITCH SAVA D 4930 QUEEN MARY RD APT 10 MONTREAL QUE	RE 3 4665	PH D 2
BOSSE JOSEPH G 356 SHERBROOKE ST E MTL EDMUNTON N B	VI 4 9296	M C L 4
BOSWALL GRAEME W 36 SUMMERHILL AVE VALOIS QUE	OX 7 0727	PH D 4
BOTKIN LINDA JOAN 30 HEATH RD HAMPSTEAD QUE	HU 4 8156	B SC 1
BOTMAN JOANNES HENRICUS 28 ST GEORGES ST ST ANNE DE BELLEVUE AMSTE VEENSEWEG 1044 AMSTERDAM Z11 HOLLAND		B SC AGR 4
BOUCHETTE MURRAY DOUGLAS HALL 26 BROADWAY AVE OTTAWA ONTARIO		B A 1
BOUDREAULT PAUL P 781 HARTLAND AVE OUTREMONT QUE	RE 8 4643	M C L 4
BOUDREAULT ROGER R 8393 DROLET ST MTL GRANDE RIVIERE CTE GASPE QUE	DU 8 4389	B ENG CIV 4
BOUILLANT ALAIN M P 3435 LAVAL APT 10 MONTREAL QUE	AV 8 6527	M SC 1
BOULAY ROYAL CLAUDE 425 MONT ROYAL W MTL IRONSIDE QUE		B ENG PWR 5
BOURASSA JOSEPH M F 7751 ST DENIS ST MTL 2026 LAVIOLETTE BLVD THREE RIVERS QUE		B ENG COM 5
BOURBEAU ANDRE 5565 DUNMORE AVE MONTREAL 26 QUE	RE 9 1596	B C L 3
BOURDON DONALD GORDON 1559 COLLEGE ST MONTREAL 9 QUE	RI 4 5922	B ENG CIV 5
BOURGEAU ANGUS EDWARD MACDONALD COLLEGE BREBEUF CO TERREBONNE QUE		B SC AGR 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BOURNE MARY GAIL ROSEMERE QUE	B A 1
BOURQUE VJCQUES ROYAL VICTORIA HOSPITAL 628 BOURQUE ST SHERBROOKE QUE	MED DIPL 1
BOUSKILL BRIAN KEITH 3434 MCTAVISH ST MTL 49 ELGIN ST GRANBY QUE	B COM 4 VI 2 4492
BOUSQUET JEAN J 2166 ST LUC ST APT 110 10 SURFSIDE AVE OLD ORCHARD BEACH MAIN U S A	MED DIPL 1 WE 7 4964
BOUTIN FRANCOISE M 109 DUCHASTEL AVE MONTREAL 8 QUE	B C L 1 CR 4 8639
BOVAIRD KATHLEEN M 1446 MOUNTAIN ST MTL 559 BEAVERBROOK COURT FREDERICTON N B	PHYSIOTH 1 VI 9 0182
BOVILLE BYRON WALTER 275 50TH AVE LACHINE QUE	PH D 2 ME 7 2163
BOVYER BEVERLEY J 4895 TRENHOLME AVE MONTREAL QUE	H S D DIP HU 4 3393
BOWDEN FLORA C STEWART HALL 51 17TH AVE ROXBORO QUE	2 TCHRS 2
BOWE JOHN V 500 PINE AVE W MTL 90 AWDE ST TORONTO ONT	MD CM 3
BOWEN LIONEL ANTHONY 121 ARLINGTON AVE MONTREAL 6 QUE	B ENG 1 WE 7 1307
BOWERING WILLIAM DAVID S 3420 UNIVERSITY ST MTL 909 E 21 AVE VANCOUVER 10 B C	PH D 4 VI 9 6222
BOWIE RICHARD JOHN F 975 ST CLARE RD TOWN OF MT ROYAL QUE	B A 3 RE 7 2252
BOWLBY KATHLEEN E 1374 SHERBROOKE ST W APT 8 MTL 16 SANDRIDGE ROAD OTTAWA ONT	B L S 1 VI 5 9750
BOWMAN HELEN COOPER 266 ST LAURENT ROSEMERE QUE	MED DIPL 2
BOYD ELIZABETH ANNE MCLENNAN HALL 11 DE CARIGNAN AVE SOREL QUE	PHYSIOTH 2 VI 9 0580
BOYD JESSIE K MACDONALD COLLEGE 303 WESTMOORELAND CORNWALL ONT	B SC H EC 1
BOYD JOHN LAWRENCE 8 SUNSET RD SENNEVILLE QUE	PARTIAL
BOYD NICHOLAS TRAYNER 3561 DUROCHER ST MONTREAL QUE	B A 2 VI 9 7414
BOYD SARAH LINSCOTT ROYAL VICTORIA COLLEGE 196 ELGIN ST ARNPRIOR ONT	B A 3 VI 9 0858
BOYER JOSEPH PETER M 4207 HARVARD AVE MONTREAL QUE	B ENG CIV 5
BOYES BARBARA GRACE 484 STRATHCONA AVE WESTMOUNT QUE	A & S COM 1 WE 7 4857

NAME ADDRESS	COURSE & YEAR TEL. NO.
BOYKO ROMAN 5159 GATINEAU AVE MONTREAL QUE	B COM 3 RE 8 4797
BOYLE LAWRENCE JAMES 3501 MONTCLAIR MONTREAL QUE	M A 1 HU 4 7498
BOYLEN JOYCE BEATRICE 3668 DUROCHER ST APT 11 1879 JANE ST TORONTO 15 ONT	PH D 3 VI 2 2893
BOYTINCK PAUL WILLIAM W 2019 STANLEY ST APT 4 P O BOX 364 FAIRVIEW ALTA	M A 1
BOZYK ALEXANDER J 4638 ESPLANADE AVE MTL 88 POLSON AVE WINNIPEG 4 MANITOBA	MED DIPL 2 VI 5 0064
BRABANDER JOACHIM ROBERT 4705 ROSLYN AVE MONTREAL 29 QUE	B A 1 HU 6 3755
BRACK DAVID MELVILLE 2163 ST LUKE ST APT 2 MONTREAL QUE	B SC 3 WE 2 8340
BRACKEN DELL FRANKLIN BOX 37 APT A12 MACDONALD COLLEGE QUE	M SC 2
BRADFORD BRUCE W MACDONALD COLLEGE R R 5 LACHUTE QUE	B SC AGR 1
BRADLEY CARMAN C MACDONALD COLLEGE 477 VICTORIA AVE WESTMOUNT QUE	3 TCHRS
BRADLEY CLEVELAND WILLIAM 4073 MELROSE AVE MONTREAL 28 QUE	B ENG COM 5 HU 4 2398
BRADLEY ELLA MAY STEWART HALL BOX 202 PRESCOTT ONT	B ED P ED 2
BRADLEY GEORGE A 30 BATHGATE BAY WINNIPEG 9 MAN	PH D 4
BRADLEY JOHN ELLIOT 4073 MELROSE AVE MONTREAL 28 QUE	B ENG 2 HU 4 2398
BRADLEY ROBERT E 3473 UNIVERSITY AVE MTL 6240 CLANRANALD AVE MONTREAL 29 QUE	MD CM 1
BRADSHAW JOAN R 46 MAPLE DRIVE R C A F STN ST HUBERT QUE	B SC 1
BRADSHAW RICHARD F 19 DE CASSON RD WESTMOUNT QUE	B COM 2 WE 2 4644
BRADY FREDERICK S 3777 COTE DES NEIGES MTL 1100 PARKWAY E UTICA N Y USA	D D S 4 WE 3 2387
BRAEKEVELT ALBERT 475 PINE AVE W MTL 410 MICHIGAN AVE PT EDWARD ONT	B COM 3 VI 4 4270
BRAININ JULIUS 4869 DRAPER AVE MONTREAL 28 QUE	M A 1 HU 6 5597
BRAITHWAITE DESMOND L 481 MILTON ST MTL 69 EDWARD ST PORT OF SPAIN TRINIDAD B W I	MD CM 1 AV 8 4075

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BRAMMELL HOMER LEON 3225 APPLETON ST APT 5 R F D 3 WILLIMANTIC CONN U S A	MD CM 2 RE 7 8973
BRANCHAUD JEAN P 1578 DUCHARME AVE OUTREMONT QUE	B C L 3 CR 2 3761
BRAUN JOANNE M 1243 THAMES ST OTTAWA ONT	B SC H EC 1
BRAUN KLAUS J 2044 ST JUST ST MONTREAL QUE	B ENG 1
BRAUN PETER IVAN 4593 WILSON AVE MONTREAL QUE	B ENG 2 HU 6 6796
BRAUNROT BRUNO 6507 COOLBROOK AVE MONTREAL 29 QUE	M A 1
BRAUNSTEIN PETER M 4808 ROSLYN AVE MONTREAL QUE	MD CM 2 RE 7 8734
BRAY RUTH MACDONALD COLLEGE 409 DENISON ST W GRANBY QUE	2 TCHRS 1
BREAU GEORGE J P BOX 139 MACDONALD COLLEGE QUE	D D S 3
BRECKENRIDGE JOHN A 1800 GRAHAM BLVD MONTREAL 16 QUE	PARTIAL RE 7 3703
BREGMAN NATHAN BERNARD 972 PRATT AVE OUTREMONT QUE	B SC 3 RE 3 9040
BREITBART CHARLES ANTHONY 1455 DRUMMOND ST APT 817 RIOJA 3364 OLIVOS PROV DE BUENOS AIRES ARGENTINA S A	B COM 2 VI 9 9839
BREITHAUPT RICHARD W WILSON HALL 1 ROCHESTER AVE TORONTO 12 ONT	B SC 1
BRENCIAGLIA GIOVANNI DOUGLAS HALL VIA FLAMINIA 160 ROME ITALY	B SC 3 VI 9 8939
BRENCIAGLIA PAOLO DOUGLAS HALL VIA FLAMINIA 160 ROME ITALY	B SC 2 VI 4 0977
BRENDER ALLAN USHER 973 HARTLAND AVE OUTREMONT QUE	B SC 3 RE 3 7208
BRENDER BARBARA RUTH 973 HARTLAND AVE OUTREMONT QUE	B SC 1 RE 3 7208
BRENDER WILLIAM JOSEPH 5929 CLANRANALD AVE MONTREAL QUE	B A 2 RE 8 3883
BRENHOUSE SOREL L 664 DAVAAR AVE MONTREAL QUE	B A 1 CR 7 7747
BRENNAN DONALD DUNCAN 1310 ST ANTOINE ST LACHINE QUE	B ENG MCH 4 ME 7 7234
BRERETON ROBERT C 1547 MACGREGOR ST MTL 61 MCCOY AVE MCTOCHEN N J U S A	B ENG MCH 5 WE 7 8800
BRESLIN SANDRA ANNE 5200 WEST HILL MONTREAL QUE	B A 1 HU 4 5313
BRETON MARGOT 3647 DUROCHER ST APT 9 MONTREAL QUE	M S W 2

NAME ADDRESS	COURSE & YEAR TEL. NO.
BRETON ROLAND BERNARD 1180 DRUMMOND ST APT 11 221 MASSON APT 6 ST BONIFACE MAN	B COM 4 UN 1 7775
BRETT BRIAN DUDLEY PRESBYTERIAN COLLEGE 497 RAGLAN RD WINNIPEG 10 MAN	M SC 2 VI 9 0141
BREWER JACK R 3851 UNIVERSITY ST MTL 318 WEST HARRIS ST EAVEKA CALIF U S A	MD CM 2 VI 4 0977
BREWER MICHAEL BRIAN 407 WALPOLE AVE TOWN OF MT ROYAL QUE	B ENG CH 3 RE 7 5318
BREWER PETER S 3500 PATRICIA AVE MONTREAL QUE	B ENG 1 HU 6 5619
BRIARD MARILYN A NEW CARLISLE EAST BONA CO QUE	3 TCHRS
BRICE MAUREEN E M 191 WOLSELEY AVE MONTREAL WEST QUE	3 TCHRS HU 1 2845
BRICHTA EDGAR SIGMUND P O BOX 127 MACDONALD COLLEGE QUE	MD CM 2
BRICK PETER JOHN 211 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B COM 1 RE 7 0341
BRIDGE JOHN GEORGE FORT COULONGE QUE	B COM 1
BRIDGER MALCOLM KEITH 46 PERRAULT AVE STE ANNE DE BELLEVUE QUE	B SC 2
BRIDGMAN JOHN HARWOOD 776 LEXINGTON AVE WESTMOUNT QUE	B A 1 HU 6 4634
BRIEN CHARLES WAYNE 984 6TH AVE VERDUN QUE	B ENG 2 PO 6 3628
BRIEN JACQUES L P 55 BELLINGHAM RD OUTREMONT QUE	M C L 4 RE 3 9375
BRIERLOY JOHN F C 22 THORNHILL AVE WESTMOUNT QUE	B C L 3 WE 3 3218
BRIGHTON GORDON R 223 MONACO AVE PTE CLAIRE QUE	B ENG 1
BRILLON JACQUES 4053 VENDOME AVE MONTREAL 28 QUE	B ENG EL 3 HU 4 5180
BRINKER GERALD 5337 QUEEN MARY RD APT 4 MONTREAL QUE	B ENG 2 HU 6 2356
BRITT PIERRE M 2064 MANSFIELD AVE MTL 4R DALY AVE OTTAWA ONT	R ENG MCH 4 VI 9 0558
BROCCOLINI SABATINO 2030 BELGRAVE AVE MONTREAL QUE	R ENG CIV 4 HU 1 1030
BROCK DIANA JEAN WOMENS RESIDENCE MACDONALD COLLEGE DANVILLE AVE R R 1 QUE	3 TCHRS
BRODEUR JOSEPH ROMEO J 6450 MONKLAND AVE APT 22 597 2ND ST SHAWINIGAN QUE	B ENG MCH 5 HU 6 9238
BRODEUR ROBERT 415 1ST AVE APT 8 LACHINE STE HELENE CO BAGOT QUE	B ENG EL 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BRODHEAD LESJE J MCLENNAN HALL DARROW SCHOOL NEW LEBANON NEW YORK U S A	PHYSIOTH 3 VI 2 0044
BRODIE ROBERT DONALD 101 FINCHLEY RD HAMPSTEAD QUE	B ENG 2 HU 1 1988
BRODKIN EDWARD IRWIN 657 ROSLYN AVE WESTMOUNT QUE	M A 1 HU 6 1767
BRODKIN GLORIA JOYCE 657 ROSLYN AVE WESTMOUNT QUE	B A 2 HU 6 1767
BRODY GARRY 3335 RIDGEWOOD AVE APT 7 14245 96TH AVE EDMONTON ALTA	M SC 1 RE 8 1075
BROKX PETER A J MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4
BROMKE ADAM 4747 BOUCHETTE ST MONTREAL QUE	PH D 3 RE 1 1843
BROMLEY CAROL M 590 PORTLAND AVE TOWN OF MT ROYAL QUE	B ED 1 RE R 5903
BROMLEY RICHARD SCOTT 30 DUFFERIN RD HAMPSTEAD QUE	B ARCH 3 HU 4 6107
BRONSTEIN LEON 1564 LAJOIE AVE OUTREMONT QUE	B ENG PHY 4 CR 9 2383
BRONSTEIN PEARL 1564 LAJOIE AVE OUTREMONT QUE	PHYSIOTH 1 CR 9 2383
BROOKS JOHN T 316 ELLERTON AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 1 6594
BROTMAN AARON 1780 VAN HORNE AVE OUTREMONT QUE	B COM 4 RE 1 6047
BROTMAN CAROL 11 HEATH RD HAMPSTEAD QUE	PHYSIOTH 2 HU R 2120
BROUGH MARILYN J J 555 DESAULNIERS BLVD APT 3 ST LAMBERT QUE	3 TCHRS
BROUILLETTE ALAIN 4505 COTE DES NEIGES MONTREAL QUE	B ENG 2 RE 3 3114
BROUSSEAU RAYMOND 51 ST LAURENT LONGUEUIL QUE	B ENG 2 OR 4 1955
BROWN ABIGAIL MCLEAN ROYAL VICTORIA COLLEGE 260 HIGHLAND AVE SYRACUSE 3 N Y USA	B SC 1
BROWN ALBIRT EDWARD 79 LORNE AVE ST LAMBERT QUE	B ENG COM 5 OR 1 6341
BROWN BARRIE H 4484 SHERBROOKE ST LACHINE QUE	B C L 1 ME 7 5493
BROWN BASIL ST JOHN INTERNES RESIDENCE MTL GENERAL HOSPITAL CEDAR AVE MONTREAL 25 QUE	MED DIPL 3
BROWN BOOTH RODERICK 3419 ONTARIO AVE MONTREAL 25 QUE	PARTIAL WE 7 6117
BROWN BRUCE PETER MC LEOD 11443 BELLEVOIS AVE MONTREAL QUE	B ENG 1 DU R 9728

NAME ADDRESS	COURSE & YEAR TEL. NO.
BROWN CHARLES KIRKLAND QUERBES AVE DORION QUE	PH D 1
BROWN DOROTHY K 5 STRATHMORE BLVD STRATHMORE QUE	B SC H EC 1
BROWN GEORGE ARTHUR 5260 RANDALL AVE MONTREAL QUE	M SC 2 HU 9 7195
BROWN GORDON HARRISON 97 THURLOW RD MONTREAL 29 QUE	B ENG 2 HU 1 2249
BROWN HUGH A 4031 COTE DES NEIGES MTL 2416 W 16TH AVE VANCOUVER B C	MD CM 4 WE 5 5861
BROWN JOHN 2079 KIMBERLEY ST MONTREAL QUE	B SC 3 VI 4 6485
BROWN JOYCE CONSTANCE 3518 PARK AVE APT 1 MTL 1 CHURCH HILL HERTFORD HEATH HERTFORD ENGLAND	PH D 3 AV R 4560
BROWN KATHERINE LOUISE 6841 31ST AVE MONTREAL 36 QUE	B SC 3 RA 7 6414
BROWN KEITH CONRAD 1465 MACKAY ST APT 6 MONTREAL QUE	PARTIAL AV R 5373
BROWN LEYNE B 5135 WALKLEY AVE APT 23 MONTREAL QUE	H S D DIP HU 4 4048
BROWN MARVIN 672 RACHEL ST EAST MONTREAL, QUE	B SC 4 VI 4 1007
BROWN MAURICE C 2066 MANSFIELD ST MTL 6 MAIN ST ST ANNS BAY JAMAICA T W I	B ENG 2 VI 2 0853
BROWN MAXWELL LINCOLN BRITTAIN HALL 49 SOMERSET AVE KINGSTON JAMAICA	B SC AGR 3
BROWN MORTON BERTRUM 4935 ISABELLA AVE MONTREAL 29 QUE	B SC 1 RE R 4298
BROWN NARLIE 4972 KENT AVE MONTREAL QUE	3 TCHRS RE 7 8718
BROWN NEVILLE JOHN ERIC 2066 MANSFIELD ST MTL 314 HENRY ST LACHUTE QUE	B SC 1 VI 2 0853
BROWN REA A 534 PRINCE ARTHUR ST W CARDINAL ONT	MD CM 1 VI 5 7235
BROWN ROBERT 2027 BARCLAY AVE MONTREAL QUE	B ENG 1 RE R 9603
BROWN ROBERT GEORGE BRITTAIN HALL 17209 ST MARYS RD POINTE CLAIRE QUE	R SC AGR 4
BROWN SHERRILL ALICE 529 BEACONSFIELD BLVD BEAUREPAIRE QUE	2 TCHRS 2
BROWN SUSAN MARGARET 53 DUFFERIN RD HAMPSTEAD QUE	B A 1 HU 4 2473 PARTIAL
BROWN THOMAS S 104 VALOIS AVE VALOIS QUE	B COM 3 HU 4 3057
BROWNLEE NORMAN M 5436 CLANRANALD AVE MONTREAL 29 QUE	

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BROWNLEE ROBERT T W 3421 GRAND BLVD APT 2 MONTREAL QUE	MD CM 4 HU 8 4378
BROWNSTEIN SEYMOUR 5725 TRANS ISLAND AVE MONTREAL QUE	B SC 2 RE 7 2896
BROWNSTEIN VICKI 6 COLLEGE ST APT 2 STE ANNE DE BELLEVUE 1997 GOYER ST MONTREAL QUE	3 TCHRS
BROWZIN OLGA ROYAL VICTORIA COLLEGE 19008 KINSMAN RD CLEVELAND 22 OHIO USA	B A 4 VI 2 0147
BRUCE DARRYL ROBERT HUGH 1771 CANORA RD TOWN OF MT ROYAL QUE	B COM 4 RE 8 1881
BRUCE ROBERT DOUGLAS 52 TUNSTALL AVE SENNEVILLE QUE	B SC AGR 2
BRUCE SANDRA MARGO ANN MACDONALD COLLEGE R R 1 BRITANNIA BAY ONT	B SC H EC 4
BRUCK ARLENE 517 CLARKE AVE WESTMOUNT QUE	PARTIAL WE 3 7719
BRUNEAU STEPHEN HUNTLY 3880 BROADWAY LACHINE QUE	B ENG CH 3 ME 7 6188
BRUNET ROBERT 8269 ST HUBERT ST MONTREAL QUE	B ENG PHY 3
BRUNNING RICHARD D 3436 DUROCHER ST APT 12 1502 8TH AVE NO GRAND FORKS N DAK U S A	MD CM 4 VI 9 9790
BRUNSCH KAREN V ROYAL VICTORIA COLLEGE 324 JANET ST SUDBURY ONT	PHYSIOTH 2 VI 2 0571
BRUNSWICK JOHN P 3825 DUPUIS APT 19 MTL 201 NORTH 7TH ST DELAVAN WISCONSIN U S A	MD CM 3 RE 8 3033
BRYAN ALBERT RAHR 545 PINE AVE W MTL 4427 N MORRIS BLVD MILWAUKEE WIS U S A	MD CM 4
BRYAN ROBIN G 1592 PINE AVE APT 59 MTL BOX 126 HUDSON HEIGHTS QUE	B ENG CIV 5
BRYANT NORAH PAGE 461 ROSLYN AVE WESTMOUNT QUE	B L S 2 WE 2 6543
BRYDEN DAWN EILEEN MACDONALD COLLEGE 1523 ST GEORGE ST LE MOYNE QUE	B SC AGR 4
BRYDEN MARK PHILIP 3683 HUTCHISON ST APT 9 BOX 37 W TOPSHAM VERMONT U S A	PH D 2 VI 2 6390
BRYDON JOHN HOWARD BRITTAIN HALL 80 CAMBRIDGE ST GUELPH ONT	B SC AGR 1
BRZEZINSKI LESTER S 421 METCALFE AVE MONTREAL 6 QUE	B ENG CIV 4 WE 5 9966
BUCHAK ROXANNE M 131 CORNWALL AVE TOWN OF MT ROYAL QUE	D D S 2 RE 3 7346

NAME ADDRESS	COURSE & YEAR TEL. NO.
BUCHAN JAMES ERSKINE 5542 COOLBROOK AVE MONTREAL 29 QUE	B ENG EL 4 RE 8 5419
BUCHANAN ANSELAN BRIAN 495 PRINCE ARTHUR ST W APT 23 MTL 3128 THE BOULEVARD MONTREAL 6 QUE	B C L 1 VI 9 5995
BUCHANAN DONALD C 557 GERALD ST VILLE LA SALLE QUE	B ENG 2 PO 8 1527
BUCHNER JOHN 456 PINE AVE W APT A MTL BLVD SAN ANTONIO ABAD 4 SAN SALVADOR ELSALV C A	B ENG 2 VI 9 7268
BUCK JOHN MARTIN 53 ST CATHERINE ST BEAUHARNOIS QUE	PARTIAL
BUCKLEY RONALD ARTHUR 3485 MCTAVISH ST MTL 46 PARK ST NEWTON 58 MASS U S A	M SC 2 VI 9 0191
BUDDO BRYANT JAMES 58 ELMWOOD AVE VALOIS QUE	B COM 2
BUDGE DONALD CAMPBELL 345 BERWICK AVE MONTREAL QUE	B COM 4 RE 8 6110
BUDGE PATRICIA WENDY ROYAL VICTORIA COLLEGE HOUSE 8 H M C DOCKYARD HALIFAX N S	B SC N 2 VI 2 0327
BUDGE PETER JOHN 345 BERWICK AVE MONTREAL 16 QUE	B COM 2 RE 8 6110
BUDGELL EWART MUNDEN 3592 UNIVERSITY ST MTL 344 MOWAT AVE KINGSTON ONT	B ENG CH 3 VI 2 2435
BUDGEON JUDITH C MACDONALD COLLEGE 13 SIGMA RD BOURLAMAQUE QUE	3 TCHRS
BUDOVITCH MIRIAM E 130 HOUDE ST MTL 130 ABERDEEN ST FREDERICTON N B	PHYSIOTH 4 RI 4 1639
BUFFAM MARY C W ROYAL VICTORIA COLLEGE 40 DOUGLAS DRIVE TORONTO 5 ONT	PHYSIOTH 1 VI 9 0993
BUGGE SIDSEL 6072 TRANS ISLAND AVE MONTREAL QUE	M SC 1 RE 8 2153
BUKA NORMAN 2835 LAURIER AVE E MONTREAL QUE	MD CM 3
BULCHAK WALTER B 475 PINE AVE W MTL 321 ST CLAIR AVE E TORONTO ONT	D D S 3 VI 4 4270
BULLEN MILES R BOX 31 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 1
BULLER FLORENCE S 1375 SHERWOOD CRES APT 402 TOWN OF MT ROYAL QUE	B SC N 2 RE 3 8392
BULLOCK LETTY L 70 52ND AVE LACHINE QUE	PHYSIOTH 5 ME 7 6978
BUNGE SUSAN F ROYAL VICTORIA COLLEGE 3 BRYDEN AVE CORNWALL ONT	PHYSIOTH 3 VI 2 0180

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BUNT RICHARD D H 3508 UNIVERSITY ST MTL P O BOX H 182 ST JOHNS NFLD	D D S 4 VI 5 0851
BURAK NICHOLAS 713 11TH AVE LACHINE QUE	B SC 3 ME 7 9154
BURDMAN RALPH 3435 DRUMMOND ST MONTREAL QUE	B SC 1 VI 4 9627
BUREAU ROGER EUGENE A 3433 DUROCHER ST APT 306 80 RIVINGTON AVE BISPHAM LANCS ENGLAND	B A 2 VI 4 4272
BURGESS DRUMMOND EATON 568 BERWICK AVE TOWN OF MT ROYAL QUE	M A 1 RE 8 2602
BURGESS PATRICIA JEAN 10 ROSEMOUNT AVE APT 406 WESTMOUNT QUE	B A 2 WE 3 1534
BURGESS SHARON A 140 DOUGLAS SNAND AVE POINTE CLAIRE QUE	B SC H EC 1
BURGGRAF GARY WINSTON 4082 OXFORD AVE MONTREAL QUE	B SC 1 HU 1 4963
BURK ANNIE L STEWART HALL 64 CLYDE ST LACHUTE QUE	3 TCHRS
BURKE BETTY 4702 COOLBROOK AVE MONTREAL QUE	M S W 1 HU 1 9540
BURKE JOHN K N 4636 MARCIL AVE MTL 2500 LAJOIE ST THREE RIVERS QUE	B ENG 1 HU 4 9644
BURKSON JOHN EMMANUEL MACDONALD COLLEGE APOSTOLIC CHURCH AKIM AKROSO GHANE W A	B SC AGR 2
BURMAN BRYNA 5345 BRODEUR AVE MONTREAL QUE	B A 1 HU 6 3114
BURNETT ALVIN ALBERT MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 4
BURNETT MERKES JAMES N BRITTAIN HALL MACDONALD COLLEGE THREE HARBOURS SOMERSET BERMUDA	B SC AGR 1
BURNETT SHIRLEY MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	H S D DIP
BURNEY MARGARET FOWLER ROYAL VICTORIA COLLEGE 4188 AMBOY RD STATEN ISLAND 8 N Y USA	B A 1
BURNS BEVERLEY A 19 GARDEN CITY STE ANNE DE BELLEVUE 1050 FOURTH AVE VE RDUN QUE	2 TCHRS 1
BURNS JOHN G 257 1ST AVE APT 4 VERDUN QUE	B ENG 2 PO 9 6589
BURNS NEAL MURRAY 23101 ARTHUR COURT ST CLAIR SHORES MICHIGAN USA	PH D 4
BURNS ROBERT LEO 1472 BISHOP ST APT 8 MONTREAL QUE	B A 2
BURNSIDE JAMES DOUGLAS BRITTAIN HALL R R 3 MADOC ONT	B SC AGR 2
BURPEE PETER GRIER 5 RENFREW AVE WESTMOUNT QUE	B SC 3 HU 4 2484
BURPEE THOMAS RICHARD 5 RENFREW AVE WESTMOUNT QUE	B COM 3 HU 4 2484
BURT ANDREW BRITTAIN HALL 603 INVERNESS MONTREAL 16 QUE	2 TCHRS
BURTON LAWRENCE G 56 CURZON AVE MONTREAL WEST QUE	B ENG 1 HU 6 8580
BURWASH JOYCE ELIZABETH 4969 FULTON ST MTL 117 RIDLEY BLVD TORONTO ONT	B A 4 RE 7 2348
BUSCHER HANS MARTIN 2057 MCGILL COLLEGE AVE APT 2 MTL 220 CHURCH ST STRATFORD ONT	B ENG MCH 4 AV 8 8690
BUSER RAOUL C 3445 RIDGEWOOD AVE APT 207 MTL 25 SWISS VILLAGE ST JOHNS QUE	B ENG CH 5 RE 7 4790
BUSING SUSANNE A R STEWART HALL 400 COURT ST WATERLOO QUE	3 TCHRS
BUSNER CHARLES LYON 6120 DARLINGTON AVE MONTREAL QUE	B COM 1 RE 8 3123
BUSSEY BRIAN WILLIAM 1004 MOFFAT AVE VERDUN QUE	B ENG 2
BUTKOV EUGENE 550 MILTON ST MONTREAL QUE	PH D 4 VI 9 4076
BUTLER DAVID GRAHAM 429 PRINCE ARTHUR ST W APT 11 MTL 112 MONTREAL RD OTTAWA ONT	R ENG CIV 5
BUTLER JAMES A DOUGLAS HALL 401 KING ST OGDENSBURG N Y USA	MD CM 4 VI 4 0977
BUTLER JOHN WARREN 4725 DOHERTY AVE MONTREAL 29 QUE	B ENG EL 4 HU 8 6277
BUTLER KENNETH K 5330 O BRYAN AVE MONTREAL QUE	B ENG CIV 4 HU 1 8813
BUTLER PATRICIA A STEWART HALL 3141 BEAUGRAND ST MONTREAL 5 QUE	3 TCHRS
BUTLER RICHARD BERNARD 4339 MONTROSE AVE WSTMT KELVIN DELGANY CO WICKLOW IRELAND	M SC 2 WE 5 4146
BUTLER SUSAN R ROYAL VICTORIA COLLEGE 13 ELMWOOD AVE SENNEVILLE QUE	B ED 4 VI 2 0477
BUTMAN STANLEY I 5565 WAVERLY ST MONTREAL QUE	B ENG PHY 4 CR 1 1968
BUTSCH JOHN L 3600 ST FAMILLE ST APT 3 MONTREAL QUE	MD CM 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BUTT AUGUSTUS FREDERICK BRITTAIN HALL HEATHERTON WEST COAST NFLD	B SC AGR 4
BUTT BARRIE COLLESTER 2029 METCALFE ST APT 8 MONTREAL QUE	M SC 2 VI 9 8270
BUTT NIGEL ANTHONY 3618 OXENDEN ST MTL 17 ST VINCENT ST PORT OF SPAIN TRINIDAD T W I	B SC 1 VI 9 7905
BUTTERFIELD DEBORAH ST G ROYAL VICTORIA COLLEGE PALM RIDGE POINT SHARES BERMUDA	B A 1 VI 2 0597
BUTTERY RALPH JAMES 21 PICARDY RD BAIE D URFEE QUE	B SC 1
BUZEK JANUSZ ROMAN 4970 COTE DES NEIGES APT 12A MONTREAL 26 QUE	B ENG MET 4 RE 7 7359
BYER STEPHEN MORTON 6886 LEMIEUX ST MONTREAL QUE	B SC 1 RE 8 4641
BYERS ALBERT M BRITAIN HALL 766 CANORA RD TOWN OF MT ROYAL QUE	2 TCHRS
BYERS BARBARA A 618 BELMONT AVE WESTMOUNT QUE	B SC N 1 HU 6 7010
BYERS CHARLES HARRY 9 KINGS RD VALOIS QUE	B ENG 2
BYRNE BRIAN D ARCY 3647 UNIVERSITY ST MTL 7 LIGHTHOUSE LANE LIVERPOOL N S	B A 1 VI 9 2806
BYRNE EDWARD MICHAEL 3647 UNIVERSITY ST MTL LIVERPOOL N S	B ARCH 5 AV 8 1473
BYSTRAM EUGENE THOMAS 3457 SHUTER ST MONTREAL QUE	B A 4 AV 8 0749

C

NAME ADDRESS	COURSE & YEAR TEL. NO.
CADIEUX ROCH GERALD 3647 UNIVERSITY ST MTL 11 LANG AVE P O BOX 822 KAPUSKASING ONT	B SC 4 VI 9 2806
CAESAR ARNOTT WINSTON 3602 DUROCHER ST APT 4 5 GRAMSAUL ST SAN FERNAND TRINIDAD B W I	B ENG 2
CAESER JOHN J 1650 CEDAR AVE MTL BOX 91 CABBLE HILL B C	M SC 1 WE 7 6011
CAHILL GWENDOLYN G 217 BEDBROOK AVE MONTREAL WEST QUE	B A 1 HU 1 2644
CAHILL LORIS 205 ST AUBIN VILLE ST LAURENT QUE	H S D DIP RI 7 0248
CAIN MARGARET ANGELA 6874 SHERBROOKE ST W APT 7 MONTREAL QUE	B COM 3 HU 1 8802
CAJKA RUDOLPH JOSEPH 8116 DUROCHER ST MONTREAL QUE	B ENG COM 5 CR 7 5516
CALCE VICTOR A 5215 BOURBONNIERE MONTREAL QUE	B ENG 2 RA 1 2262
CALDER CAROL ANN 1355 DORCHESTER ST W MTL 769 KINGS RD SYDNEY N S	M A 1 UN 6 9941
CALDER FRANK DRAPER 6201 COTE ST LUC APT 27 HAMPSTEAD QUE	B ENG CIV 5
CALDER HELEN GRACE OAKLAND AVE HUDSON HEIGHTS QUE	B SC 1
CALDWELL CYNTHEA 168 PORTLAND AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 9901
CALDWELL DAVID WOODRUFF BRITTAIN HALL MACDONALD COLLEGE 240 53RD AVE LACHINE QUE	B SC AGR 2
CALDWELL WILLIAM N 303 DESMARCHAIS BLVD VERDUN 19 QUE	B ENG MCH 4 PO 6 3333
CALLAGHAN ROSEMARY 5471 MONKLAND AVE MONTREAL QUE	B A 1 HU 9 4298
CALLEN LEILA A BOX 202 MACDONALD COLLEGE P O STE ANNE DE BELLEVUE QUE	3 TCHRS
CALLENDER BARBARA V STEWART HALL MACDONALD COLLEGE 28 DAMIAN ST WOODBROOK PORT OF SPAIN TRINIDAD T W I	B SC H EC 1
CALLIN MONA E 3820 COTE ST CATHERINE APT 1 MTL 2 ORB LANE SCUNTHORPE LINCOLNSHIRE ENGLAND	B N 1 RE 9 2013
CAMERON AIRLIE A C 3980 COTE DES NEIGES RD APT 825 MTL SIGNAL HILL LAKE PLACID NEW YORK USA	MD CM 2 WE 3 7110
CAMERON CAROL A ROYAL VICTORIA COLLEGE CLIFTON DOWN PRIORY CLOSE CHISLEHURST KENT ENGLAND	B SC N 1 VI 2 0597
CAMERON ELIZABETH JANE 49 PARKSIDE MONTREAL WEST QUE	B SC N 3 HU 4 8915
CAMERON KATHERYN E BOX 1017 HUNTSVILLE ONT	B SC H EC 1
CAMERON SHEILA MARY 640 45TH AVE LACHINE QUE	B ED P ED 1 ME 7 4903
CAMPBELL BRAHM 3285 LINTON BLVD MONTREAL QUE	B C L 1 RE 7 7187
CAMPBELL COLIN PATERSON 4846 CEDAR CRES MONTREAL 29 QUE	B SC 2 RE 8 8252
CAMPBELL DONALD K 227 KINDERSLEY AVE TOWN OF MT ROYAL QUE	MD CM 1 RE 3 2208
CAMPBELL DOUGLAS CAMERON 5 5TH AVE DORVAL QUE	B ENG CIV 3
CAMPBELL DWIGHT VICTOR L 3506 UNIVERSITY ST MTL 1A CHELSEA AVE HALFWAY TREE JAMAICA F W I	B ENG 2 VI 5 0624

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CAMPBELL HUGH JOHN 3609 UNIVERSITY ST MTL 353 KINGSTON CRES WINNIPEG 8 MAN	PH D 2 AV 8 6307
CAMPBELL MARY JANE 56 THURLOW RD HAMPSTEAD QUE	B A 1 HU 8 8344
CAMPBELL PATRICIA A 675 DENBURY AVE OTTAWA ONT	B SC H EC 1
CAMPBELL ROBERT ALAN DOUGLAS HALL 5 BRAEMAR ST OTTAWA ONT	B ENG 2
CAMPBELL ROBERT ARMSTRONG 5 5TH AVE DORVAL QUE	B ENG COM 5 ME 1 5135
CAMPBELL VERA UNA APT C 20 MACDONALD COLLEGE QUE	3 TCHRS
CAMPBELL WILLIAM ROBERT 52 LANSDOWNE GARDENS PTE CLAIRE QUE	B ENG 2
CANTAVE HENRI R 3630 PARK AVE MTL 38 LAMARRE ST PORT AU PRINCE MAIN USA	B ENG 1
CANTLIE GEORGE S D 483 ROSLYN AVE WESTMOUNT QUE	MD CM 3 WE 7 1308
CANTOR KAYLA 4975 PRINCE OF WALES AVE MONTREAL QUE	B A 2 HU 9 6989
CANTOR KENNETH 5565 PARK AVE MONTREAL QUE	B SC 4 CR 4 7141
CAPE DAVID EDMUND SARAGUAY P O QUE	B ENG CIV 3 RI 7 1277
CAPE MICHAEL GORDON 4568 STANLEY WEIR MONTREAL 29 QUE	B ENG CH 3 RE 1 4176
CAPEL MARION FRANCES 61 56TH AVE LACHINE QUE	B A 4 ME 7 0364
CAPLAN GERTRUDE 9 ST JOSEPH ST STE ANNE DE BELLEVUE 6516 MACDONALD AVE HAMPSTEAD QUE	3 TCHRS
CAPLAN HAZEL 2802 WILLOWDALE AVE MONTREAL QUE	B A 1 RE 8 4824
CAPLAN KAREN 4985 CIRCLE RD SNOWDON MONTREAL QUE	B A 1 RE 9 2767
CAPLAN LAZARUS DAVID 6300 LENNOX AVE APT 303 MONTREAL QUE	B COM 2 RE 9 1622
CAPLAN LILLIAN HELEN ROYAL VICTORIA COLLEGE 517 ISLAND PARK DR OTTAWA ONT	B A 1 VI 9 0993
CAPLAN LOIS REBECCA 3738 THE BOULEVARD WESTMOUNT QUE	B A 3 HU 4 6018
CAPLAN RONALD MERVYN 4985 CIRCLE RD MONTREAL QUE	MD CM 1 RE 9 2767
CAPORICCI ANTONIO 7009 BOYER ST MONTREAL 10 QUE	3 TCHRS CR 7 9803
CAPPER ALFRED NORMAN 9 GROVE PARK WESTMOUNT QUE	B ENG PHY 4 WE 2 9129
CAPPER JOHN B 9 GROVE PARK WESTMOUNT QUE	B ENG 1 WE 2 9129
CAPUANO GUIDO A 23 GIALLARD ST VILLE EMARD QUE	PARTIAL PO 6 5920
CARBONNEAU GUY JOSEPH 4950 MONTCLAIR AVE MONTREAL QUE	B ENG CIV 5 HU 8 5383
CARDA GEORGE F 4780 COTE DES NEIGES MONTREAL QUE	B ENG 2 RE 3 2092
CARDINAL JOSEPH LIONEL 4251 MARQUETTE MTL CARDINAL MOTEL COURT ANCIENNE LORETTE QUE	B ARCH 3 LA 1 7901
CARDINAL RENE E 8412 ST HUBERT ST MONTREAL QUE	B ENG EL 4 DU 8 9420
CAREY GERALDINE O BOX 123 DUPARQUET QUE	PARTIAL
CARLE MONIQUE L M 2650 BEAUBIEN ST MONTREAL QUE	B ENG 1
CARLSEN ANDREW BERT 3506 UNIVERSITY ST MTL 262 94TH ST BROOKLYN 9 N Y USA	B SC 3 VI 4 0624
CARLSON ARTHUR W 10 AMESBURY AVE APT 552 148 WALDO AVE PIEDMONT CALIF U S A	MD CM 1
CARLSON EDWIN O 10 AMESBURY AVE APT 552 148 WALDO AVE PIEDMONT CALIF U S A	MD CM 1
CARMICHAEL AUDREY HELEN 602 STANSTEAD AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 6304
CARMICHAEL MOIRA ANNE 117 CHESTER AVE VALOIS QUE	B A 1
CARMONA RAYNER N 4272 HAMPTON AVE MTL MARTI NO 43 MAYARI OTE CUBA	B SC 1 HU 1 6695
CARON JOSEPH C P MACDONALD COLLEGE 25 ARCAND VICTORIAVILLE QUE	B SC AGR 2
CARON MELODIE M 25 PERRAULT AVE STE ANNE DE BELLEVUE 77 SUNNYSIDE AVE MONTREAL 6 QUE	P E DIP 2
CARON R JACQUES 11462 TARDIVEL MONTREAL QUE	B C L 4 RI 8 7208
CARPENTER ALAN K 375 VICTORIA AVE WEST MONTREAL QUE	B ENG 1 HU 1 1486
CARPENTER AUSTIN CLARK MACDONALD COLLEGE R R 2 CORNWALL ONT	B SC AGR 2
CARR ELEANOR M 126 BALFOUR AVE MTL 118 EGLINTON AVE WEST APT 22 TORONTO ONT	B D 1
CARR RICHARD C 4090 ROYAL AVE MTL 16 1 2 PORTER ST BEVERLY MASS U S A	D D S 4 HU 1 1156
CARRIER BRIAN RONALD 666 WARWICK DR BAIE D URFEE QUE	B SC AGR 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CARRIERE PAUL P 108 LAKESHORE DR DORVAL QUE	B C L 2 ME 1 3762
CARRIERE RITA M 3504 PARK AVE APT 19 MONTREAL QUE	PH D 4 VI 4 4195
CARROLL JUNE S 534 PRINCE ARTHUR ST W 905 MALTMAN AVE LOS ANGELES 26 CALIF USA	PH D 4 VI 2 0154
CARRUTHERS JOYCE K 422 LANSDOWNE AVE WESTMOUNT QUE	B C L 3 WE 7 8441
CARSCALLEN ELIZABETH S STEWART HALL 1924 LAUDER DR OTTAWA 3 ONT	B SC AGR 3
CARSLEY ELIZABETH O ROYAL VICTORIA COLLEGE 17 DUNLOE RD TORONTO ONT	B A 2 VI 2 0634
CARSLEY TIMOTHY R 609 CLARKE AVE WESTMOUNT QUE	HOMEMAKER 1 WE 2 2204
CARSON BETSEY R MACDONALD COLLEGE 20657 LAKESHORE RD BAIE D URFEE QUE	B SC H EC 1
CARSON DAVID J 4332 GIROUARD AVE MONTREAL QUE	PARTIAL HU 9 1871
CARSON ISABELLE ANN 4328 SHERBROOKE ST W APT 26 WESTMOUNT QUE	B ENG EL 4 WE 2 7771
CARSWELL ROBERT SHANNON 46 MONTEE STE MARIE STE ANNE DE BELLEVUE QUE	B A 3
CARTWRIGHT JOAN E ROYAL VICTORIA COLLEGE 241 ST LEONARDS AVE TORONTO ONT	PHYSIOTH 2 VI 2 0113
CARVER MICHAEL POWYS 4278 DORCHESTER ST W APT 1 MTL LITTLE VINE COLWELL LANE HAYWARDS HEATH SX ENGLAND	B A 3 WE 4 1270
CARYLL DAVID BRIAN 230 WOLSELEY AVE MONTREAL W QUE	B ENG 2 HU 4 7426
CASETTI EMILIO 3512 DUROCHER ST MTL MARIANNA DIONIGI N 16 ROMA ITALY	M A 1 VI 4 0455
CASEY CHARLES ARTHUR 528 LANSDOWNE AVE WESTMOUNT QUE	D D S 1 WE 7 4088
CASGRAIN JEAN PIERRE 11 FORDEN AVE WESTMOUNT QUE	B ENG MCH 3 WE 5 5052
CASSAN STANLEY 1252 DUCHARME AVE MONTREAL 8 QUE	MD CM 1 CR 4 4757
CASSAR JOSEPH E WILSON HALL 376 QUEBEC ST SHERBROOKE QUE	B C L 3
CASSELMAN MARY E J R R 1 FINCH ONT	B SC H EC 1
CASSIDY LINDA ANNE 5 LOGAN AVE APT 15 ST LAMBERT QUE	B A 1 OR 1 3504
CASSILS JAMES A 483 PRINCE ALBERT AVE MONTREAL QUE	B A 1 HU 4 3452

NAME ADDRESS	COURSE & YEAR TEL. NO.
CASSILS JOHN GILMOUR 483 PRINCE ALBERT AVE MONTREAL QUE	B SC 3 VI 4 3452
CASSON SANDRA E ROYAL VICTORIA COLLEGE 25 HIGHBOURNE RD TORONTO ONT	B SC 1 VI 2 0571
CASTEL DAPHNE 5431 TRANS ISLAND AVE MONTREAL QUE	B A 4 HU 1 4754
CASTEL DAVID 5431 TRANS ISLAND MONTREAL 28 QUE	B SC AGR 1 HU 1 4754
CASTELLVI JORGE A 548 PRINCE ARTHUR ST W MONTREAL QUE	B ENG 1 VI 2 0877
CATTANACH HEATHER E 4868 COTE DE NEIGES RD APT 6 MTL 753 ISLAND PARK DR OTTAWA ONT	B N 1 RE 8 6026
CATTERSON ALISTAIR G MONTREAL GENERAL HOSP FARNHAM QUE	MED DIPL 2
CAUGHEY PATRICK LYNCH 495 PRINCE ARTHUR ST APT 6 MTL 1040 S OXFORD GROSSE PTE MICHIGAN U S A	MD CM 2
CAVENDER JOHN 2100 BARCLAY AVE MTL SALEM NEW YORK U S A	MD CM 4
CAVERS JUDITH I MACDONALD COLLEGE ORMSTOWN QUE	3 TCHRS
CAWOOD JOHN CLINTON BRITTAIN HALL 1441 DRUMMOND ST MONTREAL QUE	2 TCHRS
CAWTHORPE HARRIETT A QUEEN ELIZABETH HOSPITAL MACFARLANE LAKE LOCKERBY ONT	MED DIPL 2
CAYEN MITCHELL N 4775 ROSLYN AVE MONTREAL QUE	B SC 4 HU 1 1309
CAYNE RONALD E 4655 GROSVENOR AVE MONTREAL QUE	B SC 1 HU 8 5129
CECIL ROBERT 1 B STE JEAN BAPTISTE STE ANNE DE BELLEVUE QUE	B SC AGR 3
CERIGO GEORGE GERASSIMO 5598 DECELLES AVE APT 4 MONTREAL QUE	M A 2 RE 1 0853
CHABOT DAVID LOUIS 1441 DRUMMOND ST MTL 49 CHRYSLER AVE OTTAWA ONT	B ARCH 4 VI 9 8331
CHABOT JULIETTE 4245 DE LANAUDIERE MONTREAL QUE	M L S 2 LA 3 6861
CHADWICK DOLORES DIANE 5174 WESTBURY AVE MONTREAL QUE	B SC 2 HU 6 2621
CHAFFEY CHARLES ELSWOOD 1456 CRESCENT ST MONTREAL 25 QUE	B SC 2 VI 9 5056
CHAGNON JEAN YVES 1619 LAJOIE AVE MONTREAL 8 QUE	M SC 1 CR 1 8823
CHAIT ZELDA JEAN 6590 WESTBURY AVE MONTREAL QUE	B A 1 RE 3 1205

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CHALLIES GEORGE B 208 CHESTER AVE MONTREAL 16 QUE	B ARCH 1 RE 8 5779
CHALMERS DAVID ROBINSON HUDSON HEIGHTS QUE	B COM 2
CHALONER GILLIAN MARY ROYAL VICTORIA COLLEGE 3 RUTHERFORD PL N Y C 3 N Y U S A	B SC 1 VI 2 0597
CHAMBERS DAVID ARTHUR P 5785 UPPER LACHINE RD APT 5 MONTREAL QUE	PH D 3 HU 9 3247
CHAMBERS ELIZABETH J 5785 UPPER LACHINE RD APT 5 MONTREAL 28 QUE	M S W 1 HU 9 3247
CHAMITOFF ASHLEY 5657 PARK AVE APT 8 MONTREAL QUE	B ENG 2 CR 2 0265
CHAN ALICE M 3459 HUTCHISON ST MTL 3 OBSERVATORY RD 1ST FLOOR KOWLOON HONG KONG	MD CM 1 AV 8 9941
CHAN EDWARD Y C 3528 JEANNE MANCE ST MTL 54 LADY GRANTHAM VILLAS 2ND FL KOWLOON HONG KONG	B ARCH 3 VI 4 5537
CHAN FRANCIS S M 4352 DECARIE BLVD APT 2 5 LINCOLN ROAD HONG KONG	B SC 2
CHAN GEORGE Y F 3422 STANLEY ST RM 6 MTL 6 KENT ROAD KOWLOON TONG KOWLOON HONG KONG	B SC 1
CHAN JOHN HIM 4101 ST URBAIN ST MONTREAL QUE	B SC 4 VI 5 8642
CHAN KOON KAY 3715 DROLET ST MONTREAL QUE	B SC 2 VI 4 7339
CHAN KWOK HUNG 525 PRINCE ARTHUR ST W APT 2 MTL 223 WANCHAI ROAD HONG KONG	B SC 3 VI 4 0017
CHAN PANG LING 3630 OXENDEN AVE APT 4 8 COMFORT TERRACE KINGS RD HONG KONG	MD CM 1 VI 4 4030
CHAN SHIU HON HENRY 3484 DUROCHER ST APT 402 55 FORT ST GR FL NORTH POINT HONG KONG	B ENG 2
CHAN TSIU CHIU 3545 HUTCHISON ST MTL 21 YUET YUEN ST GR FL HONG KONG	R ENG PHY 3
CHAN VINCENT ON WAH 70 WESTMINSTER N MTL 3 WAI YUEN HAMMER HILL RD DIAMOND HILL HONG KONG	B ARCH 3 HU 4 6080
CHANCE MARTIN A 332 CHESTER AVE MONTREAL 16 QUE	B ENG 1 RE 8 9675
CHANDLER SHELDON HARVEY 4840 MELROSE AVE MONTREAL QUE	B ENG 2 HU 1 4147
CHANG ASTLEY S 3466 SHUTER ST APT 202 2 MARGARET VILLA RD HALFWAYTREE KINGSTON 10 JAMAICA T W I	B SC 1 AV 8 6961
CHANG CHING JU 3522 ST FAMILLE ST APT 14 MTL 2 AI KUO WEST ROAD TAIPEI TAIWAN CHINA	M ENG 3
CHANG HAJJI YUSUF 3581 LORNE AVE APT 4 MTL 21 CHUNGKING S RD 1ST SECTION TAIPEI TAIWAN CHINA	M A 2 VI 5 6828
CHANG HANG SHING 5022 WESTHILL MTL 19 PRAT AVE 3RD FLOOR KOWLOON HONG KONG	PH D 2 HU 8 2974
CHANG HERMAN 3575 SHUTER ST MTL BOX 53 VAUXHALL ALTA	B ENG MCH 4
CHANG THOMAS MING SWI 3630 DUROCHER ST APT 34 MONTREAL QUE	MD CM 2 VI 5 3552
CHANIN RHODA 21 LEGAULT ST STE ANNE DE BELLEVUE 6448 COOLBROOK AVE MONTREAL QUE	3 TCHRS
CHANKOWSKY SOLOMON 6272 MCLYNN AVE MONTREAL QUE	B ENG 2 RE 1 2094
CHAPLIT PIERRE 367 QUERBES AVE OUTREMONT QUE	B C L 1 CR 2 7854
CHAPMAN KEITH MILNER 6490 COTE ST LUC RD APT 10 MONTREAL QUE	M SC 1 HU 1 7981
CHAREST CLAUDE 421 PRINCE ARTHUR ST W WILLIAM ST HAWKESBURY ONT	B SC 3 VI 5 8370
CHARLAP MONROE ALLAN 2990 SOISSONS AVE MONTREAL QUE	B A 1 RE 8 1858
CHARLES CHRISTABEL P 3495 MOUNTAIN ST APT 110 MONTREAL QUE	B A 3 VI 4 4027
CHARLES DAVID NOEL HUGHES 48 WINDSOR AVE WESTMOUNT QUE	B SC 2 HU 6 0224
CHARLES GEORGE EDWARD 3261 FOREST HILL APT 38 1604 FRIGON SHAWINIGAN QUE	PH D 4 RE 7 9591
CHARLES SALLY MAUD G ROYAL VICTORIA COLLEGE 29 SMERDON HAWKESBURY ONT	B SC 1 VI 9 0993
CHARNEY MORRIS 6292 DE VIMY AVE MONTREAL QUE	B ARCH 3 RE 8 7452
CHARRABARTI ANIL K DEPT OF ANAESTHESIA ROYAL VICTORIA HOSPITAL MONTREAL 2 QUE	MED DIPL 1
CHATLAND CLARE L ROYAL VICTORIA COLLEGE RT 4 MISSOULA MONTANA U S A	B SC 1 VI 9 0030
CHATSWORTH OLIVE PATRICIA ROYAL VICTORIA COLLEGE 447 LINWOOD AVE BUFFALO NEW YORK U S A	B A 3 VI 2 0495
CHATTERJEE ASIT KUMAR 4850 QUEEN MARY RD APT 16 MTL 7 26 TILAKNAGAR KANPUR INDIA	MED DIPL 4 RE 7 2293
CHAUVIN HENRI GUY 4876 COTE DES NEIGES RD MONTREAL QUE	B COM 4 RE 7 8270

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CHAVEZ CLAUDIO 1460 MCGREGOR ST APT 102 MONTREAL QUE	B ENG EL 3 VI 4 2467
CHAYKOWSKY VALERIE OLGA 6315 10TH AVE MONTREAL 36 QUE	B A 4 RA 2 5385
CHEASLEY CLIFFORD S 7 RENNIE AVE MONTREAL WEST QUE	B A 4 HU 4 6262
CHEIFETZ PHILIP N 6247 DE VIMY AVE MONTREAL QUE	MD CM 3 RE 1 0166
CHEN ALICE T BOX 170 MACDONALD COLLEGE 7 LANE 25 SHUANG CHENG S TAIPEI TAIWAN FORMOSA	M SC 1
CHEN RAYMOND CHUNG H 3523 LORNE AVE MTL 44 PRINTING HOUSE DUDDELL STREET HONG KONG	B ENG 2 AV 8 4858
CHEN WELLINGTON PAUL 3530 DUROCHER ST APT 20 50A MOLYNES RD HALF WAY TREE JAMAICA B W I	B ENG CIV 5 VI 2 4720
CHENG SHUN CHEUNG 3712 JEANNE MANCE ST APT. 4 MTL 60 TAI HANG ROAD HONG KONG	B SC 2 VI 9 5035
CHENG SHUN YUE 3912 JEANNE MANCE ST APT 4 MTL 60 TAI HANG RD HONG KONG	B COM 1 VI 9 5035
CHEONG CHEE YEE 3664 ST FAMILLE ST MTL 28F L 107 OLD PUDU ROAD KUALA LUMPUR MALAYA	B SC 1
CHERNEY ENRICA 5154 N D G AVE MONTREAL QUE	B A 4 HU 4 8635
CHEUK SHU FAI Y M C A DAIRY FARM POKFULUM HONG KONG	PH D 2
CHEUNG DAVID TUNG CHEE 525 PRINCE ARTHUR ST W 96 JAVA ROAD 3RD FL HONG KONG	B SC 2
CHEUNG LILY SO KING ROYAL VICTORIA COLLEGE 31A GRANVILLE ROAD 2ND FLOOR KOWLOON HONG KONG	B SC 4 VI 2 0447
CHEW TING WAI 3461 HUTCHISON ST MTL 198 TAI PO ROAD KOWLOON HONG KONG	B ENG CIV 4 VI 9 1901
CHIANG MORGAN SUI MING MACDONALD COLLEGE DEPT OF AGRONOMY NTL TAIWAN UNIVERSITY TAIPEI FORMOSA	M SC 2
CHIANG PATRICK JING W 3575 SHUTER ST APT 3 MTL 33 MODY RD GR FL KOWLOON HONG KONG	B SC 2
CHIARAVALLOTI JOSEPH J 3538 LORNE AVE APT 10 MONTREAL QUE	B A 4 VI 4 0238
CHIK LAWRENCE L C 3549 LORNE AVE APT 1 MTL 124 BOUNDARY ST 2ND FL KOWLOON HONG KONG	B ENG 2 VI 9 0224
CHILAKOS JOHN 68 PRINCE ARTHUR ST W APT 5 MONTREAL QUE	B SC AGR 2
CHILDE EDWARD A 1650 CEDAR AVE MTL 62 MOUNT ROYAL CRES WINNIPEG MAN	MED DIPL 2
CHIN DAVID TARE WONG 3790 CITY HALL AVE MONTREAL QUE	B ENG EL 3 AV 8 7592
CHIN EDWARD JING HUNG 3537 UNIVERSITY ST MTL 343 SHERBOURNE ST TORONTO ONT	MD CM 4 VI 9 8447
CHIPMAN CAROL A MCLENNAN HALL BEDFORD HALIFAX CO N S	PHYSIOTH 3
CHISHOLM BEVERLEY ANN 721 BRIEN ST ST MARTIN QUE	3 TCHRS
CHISHOLM WILLIAM J T MACDONALD COLLEGE 177 WONHAM ST INGERSOLL ONT	B SC AGR 1
CHIU SHIN YAT SYLVESTER 3500 HUTCHISON ST APT 24 69E ROBINSON RD GR FL HONG KONG	B SC 3 VI 4 5310
CHIU WALLACE P 3683 JEANNE MANCE ST MTL 14 NORTH POINT RD HONG KONG	B ARCH 6
CHO CHU CLAUD BERNARD 3549 LORNE AVE MTL 87 ROBB ALEXANDER STS LACYTOWN GEORGETOWN BRITISH GUIANA	B SC 2 VI 9 8778
CHOW PAUL LEONG 5895 HUTCHISON ST MTL 5689 PARK AVE MONTREAL QUE	B ENG CH 4 CR 1 6853
CHOW YUNG L 3430 STE FAMILLE ST MTL 16 JORDAN RD 1ST FL KOWLOON HONG KONG	B ENG PHY 4 AV 8 0676
CHRISTENSEN DAVID A BOX 128 MACDONALD COLLEGE SUB 11 SASKATOON SASK	M SC 1
CHRISTIE DUGALD E 1 BELVEDERE RD WESTMOUNT QUE	B SC 1 WE 3 6120
CHRISTIE JANET E 1 BELVEDERE RD WESTMOUNT QUE	MD CM 1
CHRISTIE MARGARET A STEWART HALL 1555 ST GERMAIN ST VILLE ST LAURENT QUE	B ED 2
CHRISTOPHER EDWARD BOX 137 RAWDON QUE	B ENG 1
CHRYSSOLOR CONSTANTINE 1760 DECELLES VILLE ST LAURENT QUE	B ENG CIV 4 RI 7 7227
CHU DAH CHANG D 3441 PEEL ST MTL C O MR DAVID LAM 205 O CONNOR ST OTTAWA ONT	B SC 2
CHU SIK ON 3225 RIDGEWOOD AVE APT 303 MTL 40 C AV CONS FER DE ALMEIDA MACAU VIA HONG KONG	B SC 1 RE 8 2967
CHUE PETER 3450 JEANNE MANCE ST APT 10 MTL 77 KOW WAH KINK VILLAGE HONG KONG	D D S 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CHUPRUN TARAS P 1220 CARDINAL ST VILLE ST LAURENT QUE	B ED P ED 1 RI 7 5828
CHURAS PETER THEODORE 545 PINE AVE W MTL 94 CURTIS ST ST THOMAS ONT	MD CM 4
CHURCH BARBARA M MCLENNAN HALL 10 WILSON ST WEST PERTH ONT	PHYSIOTH 4 VI 2 0044
CHURCH FLORA MACPHERSON 4 SUMMERHILL TERRACE MONTREAL QUE	B A 1 WE 2 6274
CIOPPA FORREST J C DOUGLAS HALL 17 PINE ST WEST AUBURNDALE 66 MASS U S A	MD CM 1
CIOTOLA JOSEPH GEORGES 155 MOZART ST EAST MONTREAL QUE	B A 3 CR 6 5597
CITRIN JACOB DOUGLAS HALL 24 HACHIYAMA SHIBUYA KU TOKYO JAPAN	B A 2
CIVITARESE JOSEPH JR 7725 ST DOMINIQUE ST MONTREAL QUE	B ENG 2 CR 7 0349
CLAMEN ALLEN 2575 GOYER ST MONTREAL QUE	B ENG CH 3 RE 9 0330
CLAMEN STANLEY 5295 KING EDWARD AVE MONTREAL QUE	B COM 3 HU 9 3119
CLARE LIONEL ARTHUR 3650 ST FAMILLE ST APT 3 GREEN ISLAND P O JAMAICA B W I	B SC 3 VI 4 5579
CLARK ANN F STEWART HALL BOX 4 NORTH HATLEY QUE	2 TCHRS
CLARK DOROTHY CHARLOTTE E 456 PINE AVE W APT H MTL CARLETON PL ONTARIO	B SC N 2
CLARK ERIC LEE 145 DUFFERIN RD MTL 451 MONTCALM ST MALARTIC QUE	B C L 2 WE 4 1012
CLARK FRANK D R 812 EGAN AVE VERDUN QUE	B ENG 1 PO 8 8445
CLARK JOHN CHARLES 3647 UNIVERSITY ST MTL 521 LEWIN PARK LANCASTER N B	B ENG CH 5 VI 9 2806
CLARK JOHN HOWARD E 58 BRUCE AVE WESTMOUNT QUE	B SC 2 WE 3 5633
CLARK JOHN M 3472 MCTAVISH ST MTL 133 LINCOLN AVE ORCHARD PARK N Y USA	D D S 4
CLARK LLOYD ALLEN 2801 UPTON ST NW WASHINGTON 8 DC USA 1156 MAIN ST NORTH BATTLEFORD SASK	PH D 4
CLARK LORNA E WAKEHAM GASPE QUE	3 TCHRS
CLARK LORNE SHELDON 4756 MAPLEWOOD AVE MONTREAL QUE	B A 4 RE 8 2643
CLARK PAUL M 117 RUE DE TOURAINE PREVILLE QUE	B ENG 1 OR 1 2023
CLARK PETER OSGOODE 3405 MCTAVISH ST MTL 463 BROADVIEW AVE OTTAWA ONT	B ENG PHY 4 VI 9 0141
CLARK SUZANNE HENRIETTE STEWART HALL BOX 399 STE AGATHE DES MONTS QUE	B SC AGR 3
CLARKE HAROLD DIGBY T 449 STANSTEAD CRES TOWN OF MT ROYAL QUE	B C L 3 RE 7 5971
CLARKE JOHN GORDON 3433 DUROCHER ST APT 2 WORTHY PARK EWARTON JAMAICA B W I	B ENG EL 3 VI 2 2489
CLARKE KARL CHARLES R 3641 UNIVERSITY AVE MTL 242 HUNTER ST W PETERBOROUGH ONT	B SC 1 VI 9 0593
CLARKE LOREN SELBOURNE 3504 SHUTER ST MTL ISLINGTON JAMAICA B W I	B ENG 2 VI 4 4587
CLARKE REGINALD F L 2695 GOYER RD MONTREAL QUE	B ENG 2
CLARKE WILLIAM BRUCE UNITED THEOLOGICAL COLL P O BOX 113 LENNOXVILLE QUE	B ENG 2
CLATTENBURG ANNE ROYAL VICTORIA COLLEGE 705 VERNON RD PHILADELPHIA 19 PENNSYLVANIA U S A	B SC 3
CLAUS HANS JORG 258 SHERBROOKE ST W MTL VNTERER HAGEN 33 SAARBRUCKEN GERMANY	M A 1 VI 9 0774
CLAUSEN EVERETT ALLAN 417 PRINCE ARTHUR ST W P O BOX 104 BROWNSBURG QUE	B ENG 1 VI 9 9038
CLAYTON JOAN E 250 LANSDOWNE AVE WESTMOUNT QUE	B SC 2 WE 5 1084
CLEGG MARGARET EDITH 651 VICTORIA AVE WESTMOUNT QUE	B A 3 HU 6 1434
CLEGHORN AILIE M 3160 ST SULPICE RD MONTREAL QUE	B A 1 WE 3 5000
CLEGHORN JOHN E 564 VICTORIA AVE WESTMOUNT QUE	B COM 1 HU 6 4419
CLEMENT DOROTHY E BOX 950 MACDONALD COLL 4441 EARNSCLIFFE AVE MONTREAL QUE	B ED 2
CLEMENT ENID U 3524 LORNE AVE MONTREAL QUE	B L S 1 VI 4 7064
CLEMENT FRANCOIS BEIQUE 9 ST LOUIS RD LOWER WOODLANDS QUE	B ENG MI 3
CLEMENT JUDITH ANN STEWART HALL 44 BLYTH HILL RD TORONTO 12 ONT	B SC AGR 1
CLEMENTS CHARLES K 5120 MACDONALD AVE APT 301 MONTREAL QUE	PARTIAL HU 4 4756
CLENMAN JOEL 5729 NORTHMOUNT AVE MONTREAL 26 QUE	B ENG EL 3 RE 3 7020
CLEVEN BRUCE 925 LAIRD BLVD APT 308 TOWN OF MT ROYAL QUE	B A 1 RE 7 3118

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CLIBBON BROOKE 507 VICTORIA AVE WESTMOUNT QUE	B SC 1 WE 2 0510
CLIBBON PETER BROOKE 507 VICTORIA AVE WESTMOUNT QUE	B A 4 WE 2 0510
CLIFF WENDY L 26 LANSDOWNE GARDENS POINTE CLAIRE QUE	B SC H EC 1
CLIFFORD GEORGE E 2101 UNIVERSITY ST APT 9A MONTREAL QUE	B D 2 VI 2 1608
CLOSE ANTHONY DEREK 1475 CALEDONIA RD MONTREAL 16 QUE	B ENG 2 RE 8 3867
CLOSE NICHOLAS 1475 CALEDONIA RD MONTREAL 16 QUE	B SC 1 RE 8 3867
CLOUGH WILLIAM AUGUST 2227 FLEMING RD TOWN OF MT ROYAL QUE	B ENG 2 RE 7 3186
CLOUTIER GILLES GEORGES 6235 42ND AVE MONTREAL 36 QUE	PH D 4 CL 6 0846
CLOUTIER LOUIS G 1474 FORT ST APT 3 MTL 1185 BROWN AVE QUEBEC CITY QUE	B ENG COM 5 WE 2 0344
CLOUTIER WILLIAM LOUIS M 1156 ST MARK ST APT 11 120 ELM ST GRANBY QUE	B SC 2 WE 2 3647
CLYKE EMILY C 5325 WEST BROADWAY MONTREAL 29 QUE	M S W 2 HU 8 5783
CLYKE SHARON A 5325 WEST BROADWAY MONTREAL 29 QUE	B SC 1 HU 8 5783
COATES ANNE LAURA 490 PRINCE ARTHUR ST W APT 5 MTL 89 LONDON ST S HAMILTON ONT	B A 2 VI 5 9472
COBRIN RHODA 4645 ST KEVIN AVE APT 4 MONTREAL QUE	B A 1 RE 3 8781
COCCIARDI PAUL E 82A DANTE ST MONTREAL QUE	B ENG 2 CR 6 7887
COCHAUX PIERRE S A 54 RUE PAUL LAUTERS BRUXELLES 5 BELGIUM	B SC AGR 3
COCHRANE DONALD B 351 MELVILLE AVE WESTMOUNT QUE	B A 2 WE 5 3907
COCKBURN PETER W 5765 WESTMINSTER AVE MONTREAL 29 QUE	B A 1 HU 8 5508
COCKHILL MELVYN EDWARD 5161 QUEEN MARY RD MONTREAL QUE	B SC 3 HU 8 8194
CODE BARRY LORNE 4530 MARCIL AVE MONTREAL 28 QUE	B ENG 2 HU 6 4565
COEN IRVING I 3786 KENT AVE MTL P O BOX 339 WINDSOR NFLD	D D S 3 RE 9 1202
COFFIN DAVID EARLE 354 HINTON AVE OTTAWA 3 ONT	PH D 4
COGAN MURRAY IRVING 4438 KENT AVE MONTREAL QUE	B ENG MCH 4 RE 7 7188
COHEN ABRAHAM HASCAL 5975 WILDERTON AVE MONTREAL QUE	B ENG 2 RE 8 8421
COHEN ALAIN JACQUES J 5873 ST URBAIN ST MONTREAL 14 QUE	B A 1 CR 7 0916
COHEN BETTY LEONA 5020 GROSVENOR AVE MONTREAL 6 QUE	B A 4 RE 1 1068
COHEN CARYL LOIS 637 LANSDOWNE AVE WESTMOUNT QUE	B A 1 HU 1 6740
COHEN DOROTHY ESTHER 4880 CIRCLE RD MONTREAL QUE	B A 3 HU 4 1991
COHEN ELKA R 953A ROCKLAND AVE OUTREMONT QUE	3 TCHRS CR 2 8502
COHEN GERALD 5250 PARK AVE APT 1 MONTREAL QUE	B ENG EL 3 CR 7 6013
COHEN GERALD ALLAN 403 ST JOSEPH BLVD W APT 18 OUTREMONT QUE	B A 2 CR 7 5073
COHEN GERARD ELIE 5873 ST URBAIN ST MONTREAL 14 QUE	B SC 2 CR 7 0916
COHEN HOWARD THOMAS 637 LANSDOWNE AVE MONTREAL QUE	B COM 2 HU 1 6740
COHEN JACK 403 ST JOSEPH BLVD W APT 15 MONTREAL QUE	MD CM 4
COHEN JERRY MORRIS 4996 ISABELLA AVE MONTREAL QUE	B SC 1
COHEN JESSE JOHN 4615 COTE ST CATHERINE MONTREAL QUE	B SC 4 RE 8 1216
COHEN JOSHUA M 5615 DUROCHER ST MONTREAL QUE	B SC 1 CR 7 0389
COHEN JUDITH MARION 705 OUTREMONT AVE OUTREMONT QUE	PHYSIOTH 3
COHEN LORNE S 5526 TRANS ISLAND AVE MONTREAL QUE	B SC 1 RE 7 2860
COHEN MARLENE S 17A LEGAULT AVE STE ANNE DE BELLEVUE 424A ST JOSEPH BLVD WEST MONTREAL QUE	2 TCHRS 1
COHEN MOE MORRIE 5637 DARLINGTON AVE MONTREAL QUE	B COM 3 RE 7 5720
COHEN MONROE WALLACE 3060 LINTON AVE APT 5 MONTREAL 26 QUE	B SC 2 RE 3 9032
COHEN PAUL BARRY 5940 MONKLAND AVE APT 12 MONTREAL QUE	B A 4 HU 4 2646
COHEN RICHARD W 396 GROSVENOR AVE WESTMOUNT QUE	B A 1 HU 4 6455
COHEN SANDRA TREHUB 6275 NORTHCREST PL APT 1012 MONTREAL QUE	B COM 4 RE 1 6228
COHEN VICTOR HAIM 3000 GOYER ST APT 10 MONTREAL QUE	PARTIAL RE 3 5257
COLBY CHARLES WILLIAM 4040 TRAFALGAR RD MONTREAL QUE	B ENG 2 WE 2 9685

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NAME ADDRESS	COURSE & YEAR TEL. NO.
COLE JOHN B 9 LANSDOWNE GDNS PTE CLAIRE QUE	B ENG 1
COLE KENNETH EDGAR LYON 3592 UNIVERSITY ST MTL 35 EDGEVALLEY DR TORONTO ONT	B ENG EL 4 VI 2 2435
COLE NORMAN WILFRED 35 ELLERDALE RD HAMPSTEAD QUE	B ENG CIV 3 HU 4 2412
COLE ROY VERNON DOUGLAS HALL 11 PRINCESS AVE CORNER BROOK NFLD	B SC 1
COLES ELIZABETH TEMPORAL ROYAL VICTORIA COLLEGE 350 COURT ST KEENE NEW HAMPSHIRE USA	B SC 2 VI 2 0598
COLES NORMAN WILLIAM 521 PRINCE ARTHUR ST W 2 PHILLIP ST BLAKEHURST SYDNEY N S W AUSTRALIA	PH D 2 VI 9 0170
COLLEDGE MARY E 6875 LASALLE BLVD VERDUN QUE	PARTIAL PO 8 4711
COLLIN ARTHUR EDWIN 3510 LORNE AVE MTL R R 1 BYRON ONT	PH D 3
COLLINS BEVERLEY ANN STEWART HALL 154 PRINCESS AVE LACHUTE QUE	3 TCHRS
COLLINS DAVID BRIGGS 3417 SHUTER ST APT 2 MTL P O BOX 241 BRIDGETOWN BARBADOS T W I	B COM 4 VI 5 9435
COLLINS LLOYD GERALD MACDONALD COLLEGE R R 6 COBDEN ONT	B SC AGR 3
COLLIS PETER J 3110 LINTON AVE APT 1 MONTREAL QUE	M S W 2 RE 3 5060
COLLYNS PHILIP ARTHUR 3434 MCTAVISH ST MTL 86 COUNTESS RD AMESBURY WILTS ENGLAND	B ENG MCH 5 VI 2 4492
COLMAN ARTHUR J 4866 WILSON AVE MONTREAL QUE	B ENG 1
COLMAN FLORENCE 766 WILDER AVE OUTREMONT QUE	PARTIAL RE 7 1090
COLPITTS MAX EDWARD MACDONALD COLLEGE R R 1 SALISBURY N B	B SC AGR 4
COLTHURST GEORGE WILLIAM 3545 HUTCHINSON ST APT 8 MONTREAL QUE	B ENG 2
COMEAU GERALD EDWARD 1565 MCGREGOR ST MONTREAL QUE	B ENG PWR 5 WE 7 4278
COMIRE YVON A 841 GRAHAM AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 8 3631
COMMON ALICE EDITH R 3524 DUROCHER ST APT 8 BOX 223 MACDONALD COLLEGE QUE	M SC 2 VI 4 2455
COMPAGMOME SALVATORE J ST MARYS HOSPITAL MTL 48 CHESTERFIELD ST HYDE PARK MASS U S A	MD CM 3
COMTOIS GERARD JOSEPH P E 8470 REIMS ST MTL 34 LAMONTAGNE AVE QUEBEC CITY QUE	B ENG CIV 3 DU 7 5430
CONAN YVES ALAIN 38 TERRASSE CORBEIL LAVAL DES RAPIDES QUE	B ENG CIV 5 MO 4 6125
CONDY HARVEY ALEXANDER 972 CLIFTON AVE MONTREAL QUE	B ENG CH 4 HU 6 3314
CONLIFFE MARK S 3473 UNIVERSITY ST MTL PAKENHAM ONT	PARTIAL
CONNELLY PAUL A 449 STRATHCONA AVE WSTMT 2180 NICOLAS PERROT ST THREE RIVERS QUE	B ENG 2 WE 5 6294
CONNORS BOYCE A 1563 MCGREGOR ST MTL BOX 5 BRACEBRIDGE ONT	B A 2 WE 2 4833
CONROY ROBERT M BOX 46 MACDONALD COLLEGE QUE	MD CM 4
CONSTANTIN JULIEN 8544 BERRI ST MONTREAL 11 QUE	PH D 2 DU 8 5090
CONSTANTINE THEODORE 274 DESMARCHAIS BLVD MONTREAL QUE	B ENG CH 5 PO 8 1248
COSTANTINI DOMINIC J 959 PRUD HOMME AVE MONTREAL QUE	B ENG CIV 4 HU 6 7192
CONTANT JACOB J BRITTAIN HALL 28 HOGE PRINS WILLEMSTR SCHEVENINGEN THE NETHERLANDS	B SC AGR 3
CONVERSE ELIZABETH JEAN 157 GLENCOE AVE MONTREAL 16 QUE	B SC N 2 RE 7 5634
COOK CHARLES STUART 1441 DRUMMOND ST MTL 15 KIRK ST FARNHAM QUE	B ENG EL 4 VI 9 4171
COOK CHARLES WRIGHT 45 WICKSTEED AVE MTL OAKS CORNERS N Y USA	M SC 1 RE 8 1495
COOK GORDON RAYMOND 246 CARLYLE AVE MONTREAL 16 QUE	B SC 2 RE 8 3886
COOK MARGARET E STUART HALL 216 EDISON AVE ST LAMBERT QUE	2 TCHRS 1
COOK WAYNE F BRITTIAN HALL BURY QUE	3 TCHRS
COOKE CHARLES G 3653 UNIVERSITY ST MTL 13 MURDOCH AVE NORANDA QUE	B ENG MCH 4 VI 2 2073
COOKE GILMORE GORDON 8045 BORDEAU ST MONTREAL QUE	B ENG EL 3 RA 2 7388
COOKE PATRICIA MARGARET 4845 VICTORIA AVE MONTREAL QUE	PH D 2 HU 9 1382
COOKE ROBERT H 3647 UNIVERSITY ST MTL P O BOX 12 ARUNDEL QUE	B ENG 2 VI 9 2806
COOKSON JOHN M 256 PINE AVE W MONTREAL QUE	PARTIAL VI 9 8275

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NAME ADDRESS	COURSE & YEAR TEL. NO.
COOKSON PETER J 256 PINE AVE W MTL BOX 868 C O BAHAMIAN INT TRUST NASSAU BA	B COM 3 VI 9 8275
COOPER ANTHONY JOHN M 3569 ST FAMILLE ST MTL THE WHITE HOUSE 26 FESTING ROAD SOUTHSEA HANTS ENGLAND	B A 3 VI 2 2896
COOPER CALVIN GEORGE 2092 JEANNE MANCE ST MTL P O BOX 1228 NASSAU BAHAMAS	B ENG 2 VI 9 0685
COOPER FLOYD R MTL NEUROLOGICAL INST 915 MAIN ST CANTON GEORGIA U S A	MED DIPL 1
COOPER JOAN MARGARET MACDONALD COLLEGE 146 BALLANTYNE N MONTREAL WEST QUE	B SC H EC 4
COOPER MARY LOUISE ROYAL VICTORIA COLLEGE 42 PARK AVE OAKVILLE ONT	B A 2 VI 2 0334
COOPER MIRIAM SYLVIA 600 VICTORIA AVE WESTMOUNT QUE	B SC 4 HU 6 6169
COOPER NATALIE HAZEL 4780 MERIDIAN AVE MONTREAL QUE	B A 3 HU 4 5788
COOPER RODERICK MELVIN 3615 UNIVERSITY ST APT 16 MTL 850 GARFIELD ST WINNIPEG 10 MAN	PH D 2 VI 4 0888
COOPER STEVEN BRIAN 4823 LACOMBE AVE MONTREAL QUE	B COM 2 RE 8 4648
COOPERSTEIN SIDNEY 4319 ESPLANADE AVE APT 3 MONTREAL QUE	B A 4 VI 4 7325
COOPERSTONE HARVEY M 3926 CARLTON AVE MONTREAL QUE	B C L 2 RE 8 1083
COORSH SANDRA ROYAL VICTORIA COLLEGE 49 BERKELEY COURT BAKER ST LONDON ENGLAND	B A 1
COPE BARBARA E 13 NORTCOTE RD HAMPSTEAD QUE	B SC P ED 4 HU 4 6859
COPE DONALD F 13 NORTHCOTE RD HAMPSTEAD QUE	B C L 3 HU 4 6859
COPELAND DONALD A 3459 DRUMMOND ST APT 5 MTL 3 OLD ORCHARD AVE CORNWALL ONT	B SC 2
COPELOVITCH BERNARD 4414 CIRCLE RD MONTREAL QUE	B SC 2 RE 8 2396
COPEMAN JOAN ANN ROYAL VICTORIA COLLEGE ROYAL MTL GOLF CLUB DORVAL QUE	B SC 1 VI 2 0597
COPLAN STEPHEN 3483 PEEL ST MTL 357 SOMERSET ST E OTTAWA ONT	B COM 3 VI 2 0882
COPLAND ELEANOR P 610 VICTORIA AVE WESTMOUNT QUE	PHYSIOTH 1 HU 4 7434
COPLEY DONALD R QUEEN ELIZABETH HOSPITAL WIL DON SA LODGE R R 2 STAYNER ONT	MD CM 3
COPPIN JOSEPH LEROY 5255 WALKLEY AVE APT 3 ELEANOR ST CHAGUANAS TRINIDAD F W I	B SC 2 HU 8 7859
CORBETT JOHN R H 1524 ST MATTHEW ST MONTREAL QUE	B D 2 WE 3 9002
CORCORAN LAWRENCE G 1225 SEYMOUR AVE MTL 79 COLUMBIA ST ALBANY NEW YORK U S A	MD CM 1
CORDELL ARTHUR J 5721 WENTWORTH AVE MONTREAL QUE	B A 3 HU 4 8547
CORIJNEN GUIDO C M 2060 ST LUKE ST APT 5 BERGENEY N D S E PAD 5 VOSSELAER TURNHST BELGIUM	B ENG 1 WE 3 0402
CORKEN ELIZABETH ROYAL VICTORIA COLLEGE 2 GABLES COURT BEACONSFIELD QUE	B A 3 VI 2 0634
CORLEY NORA T 703 ROSLYN AVE WESTMOUNT QUE	M A 2 HU 6 6766
CORMIER PAULE M B 922 CHERRIER ST MONTREAL QUE	M C L 1 LA 3 5250
CORMIER PIERRE 5821 COTE ST LUC APT 12 HAMPSTEAD QUE	B ARCH 4 HU 3 0809
CORNELL MARGUERITE L 1519 ST MARK ST APT 8 MONTREAL 25 QUE	B && 1 WE 7 3672
CORRIGAN THOMAS F 545 PINE AVE WEST MTL 11 ALDRIDGE RD CHAPPAQUA N Y USA	MD CM 4 VI 5 7045
CORRY PETER MATTHEW 2860 GLENCOE AVE MONTREAL 16 QUE	B SC 3 RE 3 3489
CORSO JOHN 8330 WAVERLY ST MONTREAL QUE	B COM 3 DU 8 8009
COSTIS DENISE 697 CAVEN CIRCLE VILLE ST LAURENT QUE	B A 4 RI 4 4254
COSTOM DOROTHIE CAROLINE 4617 MICHEL BIBAUD MONTREAL 6 QUE	B A 2 RE 3 8047
COTE ANDRE T 2683 LASALLE ST MTL 406 HERMEL ISLE MALIGNE QUE	B ENG CIV 4 CL 6 3374
COTE DONALD 6 HILLSIDE PTE CLAIRE QUE	MD CM 1
COTE JEAN YVES 3506 UNIVERSITY ST MTL 18 AVE PLANTE LEVIS QUE	B ENG MET 4 VI 4 0624
COTE JOHN E L 1250 LOMBARD CRES APT 411 TOWN OF MT ROYAL QUE	B A 2 RE 7 8915
COTE MARIE A Y 2329 ST LUKE ST APT 14 MONTREAL QUE	M S W 1 WE 5 4138
COTE RENEE MARIE GISELE ROYAL VICTORIA COLLEGE 59 BEAUBIEN RIVIERE DU LOUP QUE	B SC 2 VI 9 0858

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NAME ADDRESS	COURSE & YEAR TEL. NO.
COTLER IRWIN 496 WISEMAN AVE MONTREAL QUE	B A 2 CR 1 3005
COTNAM ROBERT BOLE MACDONALD COLLEGE R R 1 PEMBROKE ONT	B SC AGR 2
COTNOIR MONIQUE DENYSE M MACDONALD COLLEGE 82 MERRILL ST COATICOOK QUE	3 TCHRS
COTTLE ROBERT D 14 BRIARDALE RD HAMPSTEAD QUE	MD CM 3 HU 4 0418
COUPAL CHARLES EDWARD 3647 UNIVERSITY ST MTL 221 RIVER RD OTTAWA ONT	B ENG CIV 5 VI 9 2806
COUPER ALISON MITCHELL ROYAL VICTORIA COLLEGE SOMERS COVE SHELLY BAY BERMUDA	B A 3 VI 9 0120
COUPLAND DENIS E 2890 LEPAILLEUR ST MONTREAL 5 QUE	B A 1 CL 9 6601
COURAGE EDMUND KEITH 3532 LORNE AVE MTL 1412 N E 31ST ST POMPANO BEACH FLORIDA U S A	B ENG 2 AV 8 9714
COUROPOULOS PETER 3435 DRUMMOND ST APT 61 MONTREAL QUE	PARTIAL AV 8 8413
COURT JAMES D 377 QUEENSTON RD ST CATHARINES ONT	B ENG MET 3
COURTNEY CLEMENT J BRITTAIN HALL 87 BOOTH ST HANDSWORTH BIRMINGHAM 21 ENGLAND	B SC AGR 2
COUTTS MARGARET C MACDONALD COLLEGE 2 MAPLE ST ST PAUL L ERMITE QUE	B ED 1
COUTURE GILLES JEAN J 5685 MCLYNN AVE MONTREAL QUE	B A 4 RE 8 7754
COWAN DANIEL F DOUGLAS HALL 1516 EDGERTON RD W BRECKSVILLE OHIO U S A	MD CM 3 AV 8 1854
COWAN FREEMAN BRIAN M 3851 UNIVERSITY ST MTL 14 ANCROFT PL TORONTO ONT	B A 2 VI 2 0977
COWAN JOHN D MACDONALD COLLEGE 327 NORTH SHORE BLVD E BURLINGTON ONT	B SC AGR 1
COWANS JOHN ROBERT 17 HAMPTON GDNS LAKESIDE QUE	B ENG 1
COWLING ROBERT JOHN 551 LANSDOWNE AVE WESTMOUNT QUE	B C L 2 WE 7 2237
COX ALEXANDER WILLIAM 3254 MONKLAND AVE MONTREAL 28 QUE	B COM 2 HU 1 2090
COX CYRIL EUGENE 1001 SHERBROOKE ST W MTL GREEN FIELD LANE SANDYS BERMUDA	B ENG MCH 4 VI 4 0811
COX EDWARD GABRIEL WILSON HALL 182 MERRION RD BALLSBRIDGE DUBLIN IRELAND	B SC 2
COYLE DAVID MARSHALL 212 ST JOHN S RD POINTE CLAIRE QUE	M A 2
COYLE MARY ANNE 405 PRINCE ARTHUR ST W 2077 WILLISTEAD CRES WINDSOR ONT	B ARCH 4 AV 8 2939
CRABTREE ANNE R ROYAL VICTORIA COLLEGE 21 WOODRUFF AVE ST CATHARINES ONT	B SC N 2 VI 2 0327
CRAIG ALAN R 6637 44TH AVE MONTREAL 36 QUE	3 TCHRS
CRAIG ALLISON M ROYAL VICTORIA COLLEGE 158 WOODSOMERD BABYLON LONG ISLAND NEW YORK U S A	B SC 4
CRAIG DONALD A 1284 VISITATION MONTREAL QUE	B SC 1 LA 3 2404
CRAIG DOUGLAS BOOTH 3506 UNIVERSITY ST RM 207 MTL 1495 MAPLE AVE SHAWINIGAN QUE	B SC 2 VI 4 0624
CRAIG EDWARD G 207 ST LEON AVE DORVAL QUE	B ENG CIV 4 ME 1 6173
CRAIG IAN WILSON 4362 HINGSTON AVE MONTREAL 28 QUE	B ENG 2 HU 1 8655
CRAIG JUDITH ANN 837 54TH AVE LACHINE QUE	B ED 1 ME 7 3943
CRAIG MINA JEAN ROYAL VICTORIA COLLEGE EAST FRONT CORNWALL ONT	B SC 4 VI 2 0147
CRAIG ROBERT E L DOUGLAS HALL 6924 DIGBY RD BALTIMORE 7 MARYLAND U S A	MD CM 1
CRAIG THOMAS J 1285 DECARIE BLVD APT 4 45 ROBERTSON RD LYNBROOK N Y USA	MD CM 4 RI 4 0706
CRAIMER SEYMOUR 4085 MAPLEWOOD AVE MONTREAL QUE	B COM 4 RE 8 5965
CRAIN ERIC ROSS 71 STRATHERN AVE MONTREAL WEST 28 QUE	B ENG 2 HU 1 2424
CRAM DAVID R 4815 GRAND BLVD MONTREAL QUE	B ENG 1 HU 6 3778
CRAMER LAWRENCE L 4518 OLD ORCHARD AVE MONTREAL 28 QUE	D D S 2 HU 4 3664
CRAMM ROGER JAMES ALLEN 3527 LORNE AVE MTL 43 MURDOCK AVE NORANDA QUE	B ENG MCH 5 VI 2 6339
CRAMMOND RUTH JEAN 4414 KING EDWARD AVE MONTREAL QUE	3 TCHRS
CRANE WILLIAM W 5950 SQUART APT 2 MONTREAL 26 QUE	PARTIAL RE 8 6049
CRAWFORD JOHN ERIC 3241 FOREST HILL AVE APT 20 MONTREAL QUE	PH D 4 RE 3 7321
CRAWFORD WANDA M E MACDONALD COLLEGE 485 DE L EGLISE QUEBEC CITY 10 QUE	B ED 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CREVIER JOSEPH R R 245 OUTREMONT AVE MONTREAL QUE	B C L 2 CR 2 2531
CREVIER LOUIS M 3430 DRUMMOND ST MTL 202 EUECHE RIMOUSKI QUE	B C L 1 VI 2 0789
CRITES RUTH EDITH MACDONALD COLLEGE 4520 HINGSTON AVE MONTREAL 28 QUE	B SC H EC 2
CROBER CHARLES DOUGLAS MACDONALD COLLEGE MORRISBURG ONT	B SC AGR 3
CROBER DONALD CURTIS MACDONALD COLLEGE MORRISBURGE ONT	B SC AGR 2
CROCE BERNARDO G 6741 ST HUBERT ST MONTREAL QUE	B ENG 1 CR 9 1342
CROFTON ATKINS C J 439 VICTORIA AVE WESTMOUNT QUE	B A 2 WE 2 7237
CROGGON JAMES COLDSTREAM 4278 DORCHESTER ST W MTL THE HOLLIES GRAMPOUND CORNWALL ONT	B COM 3 WE 5 6098
CROMBIE CHARLES D S 732 UPPER BELMONT AVE WESTMOUNT QUE	B ENG 1 HU 8 2800
CRONIN ROBERT FRANCIS P 205 DUFFERIN RD HAMPSTEAD QUE	M SC 1 HU 4 1025
CROPPER JAMES W 1617 CRAWFORD BRIDGE AVE VERDUN QUE	B ENG 2 PO 8 6132
CROSBIE HELEN 1090 VANIER ST VILLE ST LAURENT QUE	HDICRAFTS 1 RI 4 5048
CROSS JUSTIN A 3225 RIDGEWOOD AVE APT 405 MTL W MEADOW RD ROCKLAND MAINE U S A	MD CM 3 RE 7 1556
CROSS PETER GARNET OCTAVE 3602 DUROCHER ST APT 6 25 CHARLES ST MARABELLA TRINIDAD B W I	B SC 2 VI 5 3002
CROSS ROGER 12 RICHELIEU PL MONTREAL 25 QUE	B SC 3 VI 5 0852
CROSSGROVE PETER A 3581 UNIVERSITY ST MTL 4 GRANITE ST COPPER CLIFF ONT	B COM 2 VI 9 1368
CROTHERS JOHN MICHAEL 802 BERWICK CRES TOWN OF MT ROYAL QUE	B A 2 RE 8 9238
CROWELL ARETA VALMA H 663 LEDUC ST VILLE ST LAURENT QUE	PH D 2 RI 4 6650
CRUICKSHANK LYLE R BRITTAIN HALL LEMESURIER QUE	2 TCHRS 1
CSORGO MIKLOS 3566 LORNE AVE MONTREAL QUE	M A 1
CUBITT IAN LESLIE MACDONALD COLLEGE 21 WOODFIELD AVE ASHTEAD SURREY ENGLAND	B SC AGR 2
CULLEN DOROTHY P 6420 SHERBROOKE ST W APT 24 MONTREAL QUE	B D 1 HU 8 3682
CULLINAN LOUIS VINCENT MTL GENERAL HOSPITAL DEPT OF ANAESTHESIA MONTREAL QUE	MED DIPL 1
CULPEPER FRANK BERNARD 2220 WILSON AVE MONTREAL QUE	B ENG CIV 5 HU 6 8351
CUMBERLAND JUNE ROSAMOND C O MTL CHILDRENS HOSP 634 PRINCE ARTHUR ST W APT 3 MONTREAL QUE	MED DIPL 3
CUMBERLIDGE JOHN TREVOR 641 MILTON ST MONTREAL QUE	PH D 5 VI 5 9065
CUMYN PHILIP BARTOW 224 SENNEVILLE RD SENNEVILLE QUE	B ENG MCH 5
CUNDILL FRANCIS PETER 17 PARKSIDE PL MONTREAL QUE	B COM 3 WE 2 1985
CUNNINGHAM HAROLD P DOUGLAS HALL R R 3 LEAMINGTON ONT	MD CM 2
CUNNINGHAM JANE C 20799 LAKESHORE RD BAIE D URFEE 260 BROCK AVE NORTH MONTREAL WEST QUE	2 TCHRS 1
CUNNINGHAM THOMAS A MACDONALD COLLEGE 260 BROCK AVE MONTREAL WEST QUE	AGR DIP 1
CUPCHIK WILLIAM 3850 COTE ST CATHERINE APT 4 MONTREAL QUE	B ENG EL 3 RE 3 0129
CUPCHIK ZELDA 3850 COTE ST CATHERINE APT 4 MONTREAL QUE	B C L 1 RE 3 0129
CURLEY RICHARD TURNER 1463 BISHOP ST MTL FISK ST WEST DENNIS MASS U S A	B A 3 AV 8 0471
CURRIE ALLAN LOUIS 3609 UNIVERSITY ST MTL VERLO SASK	PH D 6 AV 8 6307
CURRIE MARIANNE P ROYAL VICTORIA COLLEGE 16353 REDINGTON DR ST PETERSBURG R FLA USA	B A 1 VI 2 0597
CURRIE RICHARD NEIL 3482 MCTAVISH ST MTL 19 ARCADE ST WHITINSVILLE MASS U S A	B A 1 VI 4 0589
CURRY CATHERINE E ROYAL VICTORIA COLLEGE 109 CHELTENHAM AVE TORONTO ONT	B A 1 VI 9 0030
CURTIS GEORGE C 1025 PINE AVE W MTL 1104 ELGIN TERRACE MONTREAL QUE	M SC 1 AV 8 1348
CUSHING MARIAN CATHERINE 35 BALLANTYNE AVE N MONTREAL WEST QUE	B A 3 HU 6 4908
CUSHING SUSAN ISABEL 610 CLARKE AVE WESTMOUNT QUE	B A 4 WE 2 4672
CUTHBERT BARBARA FRANCES 1320 LOMBARD CRES APT 21 TOWN OF MT ROYAL QUE	B A 3 RE 7 1416
CUTHBERT STEWART W 56 BEAUMONT AVE WEST ST BRUNO QUE	B ENG 1 OL 3 6106
CUTLER JACQUELINE L HATLEY QUE	3 TCHRS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CUTLER JUDITH 120 LE CAVALIER VILLE ST LAURENT QUE	B A 1 RI 7 9897
CUTLER MARY C 285 MILTON ST APT 2 MONTREAL QUE	B N 1 VI 5 2547
CUTTLER ELEANOR L 4975 LACOMBE AVE MONTREAL QUE	B A 1 RE 8 6651
CYR JACQUES XAVIER J 3711 THE BOULEVARD WSTMT 344 LOCKWELL ST QUEBEC CITY QUE	B ENG MCH 5 HU 4 1755
CYRENNE NOEL 300 SHERBROOKE ST W MTL 1872 ST PHILIPPE ST THREE RIVERS QUE	B ENG CH 4 VI 2 0590
CYTRYNBAUM MICHAEL 5240 WESTBURY AVE MONTREAL QUE	B A 2 HU 4 6330
CYTRYNBAUM SOLOMON 38 JOYCE AVE OUTREMONT QUE	B A 4 CR 2 4618
CYTRYNBAUM STANLEY 3005 BEDFORD RD APT 5 MONTREAL QUE	HOMEMAKER 3 RE 7 2697
CYTRYNBAUM STANLEY L 5709 PALMER AVE COTE ST LUC QUE	B A 4 HU 4 6745

D

DABICH LYUBICA 456 PINE AVE W APT 37 3285 SHERBOURNE RD DETROIT 21 MICH U S A	MD CM 3 VI 4 8382
DADSON JOHN ALFRED U A C TARKWA GHANA	B SC AGR 4
DAINOW REBECCA 4355 MADISON AVE MONTREAL 28 QUE	PARTIAL HU 4 4081
DALBEC PETER RONALD J 4056 PARC LAFONTAINE MONTREAL QUE	B ENG 2 LA 4 3979
DALE DOUGLAS GEORGE 31 LAKEVIEW RD BAIE D URFEE QUE	M SC 2
DALEY EDELMIRA E 3800 DUPUIS ST APT 21 3 STUART ALLEY NORTH FRONT ST BELIZE B H	B N 1 RE 3 4841
DALFEN ARTHUR DAVID 3495 MARLOWE AVE MONTREAL QUE	B COM 3 HU 4 6315
DALFEN BEN ZION 872 GREY CIRCLE VILLE ST LAURENT QUE	B A 4
DALFEN ROSALIND 3495 MARLOWE AVE MONTREAL QUE	B COM 3 HU 4 6315
DALFEN SHEILA MIRIAM 2465 MAJOR ST VILLE ST LAURENT QUE	B SC 1 RI 8 8125
DALGARD JOHN WALTER 9 WATEREDGE AVE LAKESIDE QUE	B SC 3
DALLA ROSA ROLDANO 3431 DRUMMOND ST MTL VIA PANAMA 74 ROME ITALY	B A 1 VI 9 0243
DALLEY MARGARET EILEEN 7005 BIRNAM ST MONTREAL QUE	B SC 3 CR 2 0302
DALY ANDREA LOUISE 61 ABERDEEN AVE WESTMOUNT QUE	B A 4 HU 4 7581
DALY DENIS B 2457 NOTRE DAME ST W MONTREAL QUE	B SC AGR 1 WE 5 8354
DALY KATHLEEN MARGUERITE 3800 DUPUIS AVE APT 21 MONTREAL QUE	PARTIAL RE 3 4841
DAMESHEK EARL FRED 3431 DRUMMOND ST MTL 212 AUBURN ST AUBURNDALE MASS U S A	B A 3 VI 9 0243
DAMIANO RICHARD G 3638 DUROCHER ST MONTREAL QUE	D D S 3
D AMOUR GUY 3449 SHUTER ST APT 1 MTL ST ISIDORE CO LAPRAIRIE QUE	B ENG CIV 5 VI 4 4778
DANA JOSEPH 3420 PEEL ST MTL 7 RUE LALO PARIS 16 FRANCE	B ENG PHY 3
DANA LUCIEN YOUSSEF 3420 PEEL ST MTL 63 BOULEVARD MURAT PARIS 168 FRANCE	B ENG EL 3 AV 8 3971
DANCEY JOHN TRAVIS 4015 WILSON AVE MONTREAL QUE	B SC 2 HU 4 5761
DANIEL JOYCE IRENE 4974 CONNAUGHT AVE MONTREAL 29 QUE	B A 4 HU 1 4181
DANIELS PHYLLIS D 4535 MELROSE AVE MONTREAL QUE	M S W 2 HU 4 3691
DANILOV ALEXANDER GEORGE 3455 JEANNE MANCE ST MONTREAL QUE	B ENG 2 VI 5 0979
DANIS JEAN CLAUDE ST CHARLES E LONGUEUIL ST ANNE DE SOREL QUE	B ENG CIV 3
DANNACKER DOROTHY HEATHER 5845 JEANNE MANCE ST MONTREAL 8 QUE	B SC 2 CR 2 2127
DANNACKER HELEN E STEWART HALL 1150 LAPOINTE ST VILLE ST LAURENT QUE	B ED 2
DANNY BRIAN HARRY 4837 MACKENZIE AVE MONTREAL QUE	B A 1 RE 7 2465
DAOUD RONALD ALFRED 1080 82 OCBORNE ST MONTREAL QUE	M A 1 UN 6 1211
DAOUST JOSEPH AIME 6 OLDFIELD AVE MTL BOX 39 NOELVILLE ONT	B ENG CIV 5
DARABANER CAROLE LEE 5101 LACOMBE AVE MONTREAL QUE	B ENG CH 3 RE 7 3017
DARDI AGOSTINO QUEEN MARY VETERANS HOSP VIA L FAGGIN 4 PADOVA ITALY	MED DIPL 1
DARGIE HARRIET JANE ROYAL VICTORIA COLLEGE 18 ORCHARD ST GREENFIELD MASS U S A	B A 3 VI 2 0847

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DARLING JUDITH KATHLEEN 3000 BRESLAY RD MONTREAL QUE	B SC 3 WE 2 4697
DARLING MARY BALFOUR 47A STE ANNE ST STE ANNE DE BELLEVUE 3000 BRESLAY RD MONTREAL QUE	2 TCHRS 1
DARLING PETER WILSON 68 ABERDEEN AVE MONTREAL 6 QUE	B ENG MCH 4 HU 4 2985
DARLINGTON RALPH F 3628 LORNE CRES APT 6 MONTREAL QUE	B ENG MCH 5
DARRAGH JAMES HILTON 1414 DRUMMOND ST MTL 4614 DRAPER AVE MONTREAL 28 QUE	M SC 2 HU 1 6376
DARTNELL ALBERT L 6955 FIELDING AVE APT 408 MONTREAL QUE	M A 1 HU 4 2788
DAS GUPTA DYUTISH ENDOCRINE RESEARCH LAB MTL CHILDREN S HOSP MONTREAL QUE	PH D 4
DAS GUPTA N C 3661 LORNE CRES MTL 21C RAJA DINENDRA ST MANIKTOLA CALCUTTA INDIA	M SC 1
DASKALAKIS EMMANUEL P 3462 HENRI JULIEN AVE MONTREAL QUE	B ENG 2 AV 8 0315
DAVEY DELPHINE A 3660 PEEL ST APT 22 MONTREAL QUE	PHYSIOTH 3 VI 2 6362
DAVEY JOHN P A 108 ACRES RD BEACONSFIELD QUE	B ENG 1
DAVID JEAN 4660 EARNSCLIFFE AVE MONTREAL 28 QUE	B C L 1 HU 9 4847
DAVID PETER 1295 LAPRAIRIE ST MONTREAL QUE	B SC 4 WE 2 1309
DAVID ROBERT J C 119 LECAVALIER ST MONTREAL 9 QUE	D D S 1 RI 7 6317
DAVIDOW BARBARA 4600 CIRCLE RD MONTREAL QUE	B A 4 HU 1 6050
DAVIDOW FRANCES 4600 CIRCLE RD MONTREAL QUE	B A 2 HU 1 6050
DAVIDOW LYNN 1622 LAJOIE AVE OUTREMONT QUE	B A 1 CR 7 3066
DAVIDOW RUTH 1622 LAJOIE AVE OUTREMONT QUE	B A 1 CR 7 3066
DAVIDSON JOSEPH D MACDONALD COLLEGE P O BOX 89 COMO QUE	AGR DIP 1
DAVIDSON MARGARET JEAN 345 41ST LACHINE QUE	B A 1 ME 7 5248
DAVIDSON PETER WAYNE 3971 RAMEZAY AVE MONTREAL 6 QUE	B A 3 WE 2 9497
DAVIES ARTHUR NELSON 4 CAMBRIDGE RD BAIE D URFEE QUE	B SC AGR 1
DAVIES JOHN JAMES L 1000 MCGREGOR ST APT 302 9 ROBINSON ST RANDFONTEIN S AFRICA	M SC 2 VI 9 8849

NAME ADDRESS	COURSE & YEAR TEL. NO.
DAVIES SUSAN A ROYAL VICTORIA COLLEGE 4 CAMBRIDGE RD BAIE D URFE QUE	B ED 3 VI 2 0526
DAVIGNON JEAN F G J 3185 DE SERIGNY ST MONTREAL 26 QUE	M SC 1 RE 8 3829
D AVIGNON MARY F STEWART HALL 81 LORNE AVE GRANBY QUE	B SC H EC 1
DAVIS HARRY GLEN 3485 MACTAVISH ST MTL MARION BRIDGE CAPE BRETON N S	B A 3 VI 4 0424
DAVIS IAIN HORWOOD 3485 UNIVERSITY ST MONTREAL QUE	M SC 2 VI 2 4649
DAVIS JUDITH MCLENNAN HALL BOX 395 HUDSON QUE	PHYSIOTH 2 VI 2 0044
DAVIS JUDITH MAUDE F 1649 LINCOLN AVE APT 8 MTL 1825 SAN PEDRO AVE VICTORIA B C	B SC N 2
DAVIS KENNETH ANDREW 3851 UNIVERSITY ST MTL 9 CASTLE FRANK RD TORONTO ONT	B SC 3 VI 5 1934
DAVIS LAWRENCE 4609 HUTCHISON ST APT 2 MONTREAL QUE	B SC 1 CR 1 5802
DAVIS MICHAEL 5480 SNOWDON ST MONTREAL 29 QUE	B SC 1 HU 4 8610
DAVIS PETER L 2051 UNIVERSITY ST APT 3 P O BOX 164 DALHOUSIE N B	MD CM 3 VI 4 5360
DAVIS ROBERT MICHAEL 3 BELLEVUE AVE WESTMOUNT QUE	B ENG 2 HU 4 5251
DAVIS ROBERT W 3573 LORNE AVE APT 5 MTL 1271 E DELEVAN BUFFALO N Y USA	MD CM 4
DAVISON FRANCES D 5891 CLANRANALD AVE MTL 5 BRYCE AVE TORONTO ONT	M S W 2 RE 3 2834
DAVISON ROY JAMES 484 PRINCE ARTHUR ST MTL 107 MONTCLAIR AVE ROSLINDALE MASS U S A	B L S 1
DAWANG ELIE 4119 KENT AVE MONTREAL QUE	B SC 2 RE 8 4561
DAWE GEORGE HOWARD 249 WRIGHT CRES DORVAL QUE	B SC AGR 1 ME 1 3085
DAWE HAZEL EVELYN ANNIE ROYAL VICTORIA COLLEGE 533 NICOLA ST KAMLOOPS B C	B A 2 VI 2 0829
DAWES DAVID HADDON 480 FAIRFIELD AVE GREENFIELD PARK ALEXANDRIA ONT	B SC 4 OR 1 1187
DAWSON DONALD ANDREW 2077 ST LUKE ST APT 35 5180 CUMBERLAND AVE MONTREAL QUE	M SC 1
DAWSON JOHN H 14 BELLEVUE AVE WESTMOUNT QUE	B C L 3 HU 4 5323

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
DAWSON MARLEINE J 5180 CUMBERLAND AVE MONTREAL QUE	HU 6 9462	B A 4
DAY ELIZABETH JOAN STEWART HALL BRECKENRIDGE QUE		B SC H EC 2
DAY GRAHAM THOMAS 56 GRANVILLE RD HAMPSTEAD QUE	HU 6 4655	B COM 4
DAY JAMES H PRESBYTERIAN COLLEGE 134 L ALBERT ST KINGSTON ONT	VI 9 0141	MD CM 4
DAY JOHN JOSEPH MACDONALD COLLEGE 34 DUNDAS RD GUELPH ONT		B SC AGR 2
DAY JOHN RICHARD 3482 MCTAVISH ST MTL 118 ARGYLE AVE IROQUOIS FALLS ONT		B ENG 2
DAY PENELOPE 56 GRANVILLE RD HAMPSTEAD QUE	HU 6 4655	B A 1
DEACON JOHN GILLESPIE DOUGLAS HALL RUSTINGTON STANMORE COMMON STANMORE MIDDLESEX ENGLAND		B COM 1
DEAN JUDITH ELLEN STEWART HALL 955 LINDSAY AVE VILLE ST LAURENT QUE		B ED 2
DEAN KENNETH ROY MACDONALD COLLEGE 217 COMPTON AVE OTTAWA 3 ONT		B SC AGR 4
DEAN RONALD SAMUEL 5932 BEAULIEN ST MONTREAL 20 QUE	PO 6 7392	PH D 3
DEAN WILLIAM G 39 RIPPLETON RD DON MILLS ONT		PH D 4
DEANESLY MARGARET ROYAL VICTORIA COLLEGE 145 E FIFTH ST HINSDALE ILL U S A	VI 2 0829	MD CM 2
DEAR CAROLE ANNA ROYAL VICTORIA COLLEGE 3 QUEENSBERRY HOUSE RICHMOND SURREY ENGLAND	VI 2 0327	B A 3
DEATHE MARY E STEWART HALL 7 SIMCOE AVE TOWN OF MT ROYAL QUE		B ED 1
DEAVITT JOAN MARILYN STEWART HALL BOX 301 PEMBROKE ONT		B SC H EC 1
DEBELLE DAVID ARTHUR 570 MILTON ST APT 9 MONTREAL QUE	AV 8 8918	B ARCH 4
DE BELLE GEORGE E C 54 SUNNYSIDE AVE	HU 6 1033	B ARCH 1
DE BRABANT JEAN YVES 800 LEXINGTON AVE WESTMOUNT QUE	HU 1 5839	B C L 3
DE BRENTANI CHRISTIANE A 3458 MARLOWE AVE MONTREAL 28 QUE	HU 9 3687	B A 1
DE CARLO LEONARD J 3544 JEANNE MANCE ST 161 RANDOLPH AVE JERSEY CITY N J USA	VI 9 9090	MD CM 1
DECKELBAUM DAVID ZAVE 77 PAGNUELO AVE OUTREMONT QUE	CR 1 8873	B SC 3
DE COURVILLE EVELYN M 12223 DE VILLEBON ST CARTIERVILLE QUE	RI 8 9297	M A 2
DEEHY PATRICK THOMAS 3557 LORNE AVE APT 5 MTL 21 REGAL WAY HARROW MIDDX ENG	VI 5 9088	M S W 2
DE FAYAS JORGE A DOUGLAS HALL GENERAL GOMEZ APT 15 CAMAGUEY CUBA		B ARCH 1
DE GROOT JEAN ANDRE 3032 MAPLEWOOD AVE APT 12 MONTREAL 26 QUE	RE 7 5643	B ENG 2
DE KONING HENDRIK W MACDONALD COLLEGE BOOMKAMP 23A RIJSSEN HOLLAND		B SC AGR 3
DE LA MOTTE DAVID J 3466 SHUTER ST APT 409 805 HOWARD DOLPHIN SQ LONDON ENGLAND	AV 8 2852	B SC 2
DE LA VERGNE JOHN N 3637 UNIVERSITY ST MTL 339 RIVERVIEW DR TORONTO 12 ONT		MD CM 1
DE LEON LAURENZA ALBERTO WILSON HALL CALLE 38 NO 4 97 PANAMA REPUBLIC OF PANAMA		B SC 3
DE LEON ROGELIO 3471 SHUTER ST APT 5 MTL 1529 KANSAS AVE PACO MANILA PHILIPPINES		PH D 2
DELESALLE PHILIPPE E M 282 SHERBROOKE ST W APT 3 MONTREAL QUE		B ARCH 6
DELGRANDE PHILIP HAROLD J 3054 ST SULPICE RD MONTREAL QUE	WE 3 4671	B COM 4
DE LIND VAN WIJNGAAR DEN 3445 PEEL ST MTL ALBRECHTLAAN 28 BUSSUM HOLLAND	VI 5 9462	B ENG MCH 4
DE LISSER RICHARD ANTHONY DOUGLAS HALL 28 EDINBURGH AVE KINGSTON 10 JAMAICA	VI 4 0977	B ENG CIV 3
DEL MONACO CARLOS A 3615 RIDGEWOOD AVE APT 507 MONTREAL QUE	RE 8 8803	PARTIAL
DELONG ROBERT EDWARD 485 SHERBROOKE ST W MONTREAL QUE	VI 5 0734	B SC 2
DELORME JACQUES E 366 MILTON ST MTL 900 BOWEN ST SOUTH SHERBROOKE QUE	VI 5 5992	B ARCH 6
DE LORME RICHARD HOLMES 1260 BERNARD AVE W APT 3 MONTREAL QUE	CR 2 1489	B D 2
DEMERS JOSEPH ANDRE P R 571 DAVAAR OUTREMONT QUE	CR 2 8528	B C L 2
DEMERS PAUL M 368 CARLYLE AVE TOWN OF MT ROYAL QUE	RE 7 3735	B C L 1
DEMETRI MICHAEL 1533 MCGREGOR ST APT 81 MTL 713 CHERRY ST ROME NEW YORK USA		D D S 3
DE MILLE GEORGE RUFUS 3609 UNIVERSITY ST MTL HAMPTON STA N B	AV 8 6307	PH D 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DEMONTIGNY JOSEPH BENOIT 254 SHERBROOKE ST W MTL 908 ST FRANCOIS XAVIER TROIS RIVIERES QUE	B ENG 2
DE MONTIGNY RENE J O 300 SHERBROOKE W APT 1 908 ST FRANCIS XAVIER ST THREE RIVERS QUE	B ENG 2 VI 2 0590
DENBERG IRVING MANUEL 3861C LAVAL AVE MONTREAL 18 QUE	B A 2 VI 5 9436
DENIS C BERNARD 5940 CHAUVEAU MONTREAL QUE	B ENG CIV 4 CL 6 8244
DENIS LAURENT GERMAIN 1486 MACKAY AVE MONTREAL QUE	M L S 2 WE 2 0758
DENIS PETER ALAN 687 GROSVENOR AVE WESTMOUNT QUE	B SC 1 HU 4 7380
DENIS ROBERT FERNAND 348 REDFERN AVE MTL 895 LEVIS AVE QUEBEC CITY 6 QUE	B ENG COM 5 WE 3 9697
DENMAN ORRIN REXFORD 708 COTE STE CATHERINE OUTREMONT QUE	B SC 2 RE 8 1736
DENNETT FRANCIS GEORGE W 3525 DUROCHER ST APT 94 MONTREAL 18 QUE	PH D 2 VI 2 2303
DENNIS MICHAEL 3737 CORONET RD MONTREAL 26 QUE	B C L 1 RE 8 5755
DENNY JOANNA EVE ROYAL VICTORIA COLLEGE 117 HIGHBOURNE RD TORONTO ONT	B A 1
DENSKY LILIANE CATHERINE 45 COURCELETTE AVE OUTREMONT QUE	B COM 3 CR 9 0741
DENYAR BRIAN EDGAR 340 RIVER ST ST LAMBERT QUE	B SC 1 OR 1 8011
DE PASS JOAN ELIZABETH 5004 GROSVENOR AVE MONTREAL QUE	B A 2 RE 3 7508
DEPATIE JEAN 5990 25TH AVE MONTREAL 36 QUE	B SC 2 RA 2 9478
DERBEZ RENE CARLOS 3621 DUROCHER ST MTL 318 V CARRANZA AVE SAM LUIS POTOSI S L P MEXICO	B ENG COM 5 VI 9 4667
DERBY JAMES HART 3475 A STANLEY ST APT 18 MTL WILLISTON VERMONT U S A	MD CM 3 VI 5 7798
DERMER ALTA ABRAMOWITZ 3455 ELLENDALE AVE APT 14 MONTREAL QUE	B A 4 RE 3 8366
DERMER HAROLD 3455 ELLENDALE AVE APT 14 MONTREAL QUE	B C L 3 RE 3 8366
DEROME IVAN LOUIS 160A RICHELIEU BLVD ST HILAIRE QUE	B ENG CIV 5
DEROME JACQUES HENRI 10773 WAVERLEY ST MONTREAL QUE	B ARCH 4 DU 8 2738
DEROME JEAN ROBERT LOUIS 22 GERVAIS MONTREAL 9 QUE	B ENG PHY 5 MO 9 4228
DE ROMER HENRY 204 BLVD ST ELZEAR ST ELZEAR DE LAVAL QUE	PH D 4
DERY LAURENT 3580 STE FAMILLE ST MTL ST SEVERIN DE PROULXVILLE CO CHAMPLAIN QUE	B ENG AM 3 VI 2 2615
DESAI RAMANLAL L 3542 LORNE AVE MTL 7 43 KALYAM BLDGS KHADILLCAR RD B BAY N INDIA	PH D 2 AV 8 9714
DESAULNIERS EDWARD D 103 LOUISE LACOSTE CHAMBLY CO BOUCHERVILLE QUE	B ENG MCH 4 OL 5 5507
DESAULNIERS HELEN LOUISE 22 ROSELAWN CRES TOWN OF MT ROYAL QUE	B A 3 RE 8 7867
DESAUTELS PIERRE A 1472 MONTARVILLE ST ST BRUNO CHAMBLY QUE	B A 1
DESAY RAJNI KANT C O DR PREM SWARUP 546 MILTON ST MTL 31 THORNHILL RD ALLAMABAD INDIA	PH D 2 VI 4 9115
DESBOIS GERARD PAUL 5495 ESPLANADE AVE MONTREAL QUE	B ENG MCH 3 CR 4 0034
DESCARY LOUIS 63 FINCHLEY RD MONTREAL QUE	B COM 1 HU 4 0437
DESCHAMPS GUY ANDRE 1039 WOODLAND AVE APT 104 VERDUN QUE	B D 2 PO 6 9665
DESCHENES PAUL ANDRE 764 RACHEL ST EAST MONTREAL QUE	B ENG 2 LA 3 5729
DESCHENES PIERRE 65 SHERBROOKE ST W MTL 98 NICHOLSON VALLEYFIELD QUE	B ENG EL 4 AV 8 2316
DE SCHULTHESS ANDREW G 389 CLARKE AVE WESTMOUNT QUE	B SC 2 WE 7 8236
DE SCHULTHESS ROBIN FRANK 389 CLARKE AVE WESTMOUNT QUE	B ENG EL 4 WE 7 8236
DE SEVE MARTHA VIRGINIA 5287 PONSARD AVE MONTREAL 28 QUE	B SC 1 HU 6 8647
DESJARDINS GEORGE MARCEL 254 SHERBROOKE ST W APT 3 MONTREAL QUE	B ENG CIV 5 AV 8 6789
DESJARDINS RENE G F 2960 GRANBY APT 6 MONTREAL QUE	B ENG CIV 5 CL 5 1917
DESJARDINS ROGER REAL 1218 BISHOP ST MTL R R 2 NEW LISKEARD ONT	B SC 3 UN 1 8052
DESKIN DENNIS S 5005 BOURRET AVE APT 26 MONTREAL 29 QUE	B ARCH 6 RE 3 7477
DESKIN ERIC 1685 DUCHARME AVE OUTREMONT QUE	B ENG AM 4 CR 9 5805
DESLAURIERS ERNEST PAUL 3524 DUROCHER ST APT 7 422 BEDARD BLVD LACHUTE QUE	B COM 3 VI 9, 7946
DESMARAIS ROGER GASTON 1547 MCGREGOR ST MTL 681 PROSPECT SHERBROOKE QUE	B ARCH 4 WE 3 0394
DE SOUTA PATRICK DAVID 5477 HUTCHISON ST MONTREAL QUE	M SC 2 CR 4 6994

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DESROCHERS JOSEPH L S 732 WILDER AVE OUTREMONT QUE	B C L 3
DESTA HAGOS 3515 UNIVERSITY ST APT 2 ADWA ENDASELASSIE TIGRE ETHIOPIA	B C L 3 VI 2 6755
DE TOLEDO LEYLA 3495 RIDGEWOOD AVE APT 101 MONTREAL 26 QUE	B A 2 RE 3 0253
DE TREMBLAY RAYMOND 10115 FABRE ST MONTREAL QUE	M C L 4 DU 9 3082
DEUTSCH EVA 2038 NORWAY RD TOWN OF MT ROYAL QUE	B SC 4 RE 8 7376
DEUTSCH LEON 2038 NORWAY RD TOWN OF MT ROYAL QUE	MED DIPL 4 RE 8 7376
DEUTSCH NICHOLAS MACDONALD COLLEGE 3746 JEANNE MANCE ST MONTREAL QUE	2 TCHRS
DEVAUX ALAIN M L MACDONALD COLLEGE 9870 DE LAROCHE ST MONTREAL QUE	B SC AGR 1
DEVIEUX CARRIE 10 LINNET CRES STRATHMORE 80 REPUBLICAN ST PETIT GOAVE HAITI W I	M ENG 2 ME 1 6509
DE VILLIERS JACOBUS S 1540 MCGREGOR ST APT 6 1 NORTH RD DUNKELD WEST JOHANNESBURG S AFRICA	M SC 1 WE 4 1180
DEVLETOGLOV NICOS N 2094 LINCOLN AVE MTL AGIOU DEMETRIOU ST 17 ATHENS PSYHIKO GREECE	B A 4
DE VREEZE BEATRICE O A 3656 DUROCHER ST APT 3 MONTREAL QUE	M A 1 VI 4 4163
DEW BENJAMIN GEORGE W 1320 QUIMET ST APT 24 C O PETER J FERRANTE BOX 123 CARMEL CALIF U S A	MD CM 2 RI 4 2603
DEWAR HEATHER CAMERON ROYAL VICTORIA COLLEGE 30 DONN ST S OAKVILLE ONT	B A 1
DEWOLF THOMAS J D DOUGLAS HALL 119 MINTO PLACE ROCKCLIFFE PARK OTTAWA ONT	B ENG 2
DHAVERNAS BENOIT MARIE J 4 BELVEDERE RD WESTMOUNT QUE	B C L 2 WE 3 3980
DIACHIDOS JOHN E 369 ST JOSEPH BLVD W MONTREAL 8 QUE	3 TCHRS CR 4 6915
DIACHUN WILLIAM J 3411 DRUMMOND ST MONTREAL QUE	B A 2 AV 8 4181
DIAKUNCHAK IHOR STEPHAN 3522 STE FAMILLE ST APT 17 MTL 44 RUSHOLME DR TORONTO 3 ONT	M ENG 2
DIAMOND SUSAN 5021 CIRCLE RD MONTREAL QUE	B A 1 RE 7 2145
DIAZ ARGUELLES FRANCISCO MACDONALD COLLEGE 1ST AVE 3005 MIRAMAR MARIANAO CUBA	B SC AGR 2
DIAZ CLIFFORD STANLEY 2069 AYLMER ST MONTREAL QUE	B A 3 VI 5 9563
DIBBLEE ROSALIND J 1610 SHERBROOKE ST W APT 18 MTL 107 ROXBOROUGH DR TORONTO ONT	B SC 1 WE 2 0896
DICK JAMES BALLANTYNE 3485 MCTAVISH ST MTL 990 WALTON AVE SHERBROOKE QUE	M ENG 1 VI 9 0141
DICK WILLIAM ROBERT JOHN 73 SUMMERHILL AVE VALOIS QUE	B ENG 1
DICKERSON RICHARD K 85 WINDSOR AVE WESTMOUNT QUE	PARTIAL HU 1 8882
DICKIE WILLIAM ROSS 5777 12TH AVE MONTREAL 36 QUE	B ENG EL 3 RA 1 0898
DICKINSON DAVID L WILSON HALL WALDON GATE WARWICK BERMUDA	B COM 1 VI 4 0264
DICKINSON PETER C T 44 KINDERSLEY AVE TOWN OF MT ROYAL QUE	MD CM 1 RE 8 2265
DICKSON HEATHER V MACDONALD COLLEGE 1614 TASSE ST VILLE ST LAURENT QUE	B ED P ED 1
DICKSON KATHARINE H 450 DULNICH AVE ST LAMBERT QUE	3 TCHRS
DICKSTEIN ALVIN CHARLES 5633 CANTERBURY AVE MONTREAL QUE	B SC 3 RE 8 2710
DIDELIUS DONALD P DOUGLAS HALL 1523 PROSPECT ST SANDUSKY OHIO USA	MED DIPL 1 VI 9 6409
DIENES ANDREW 11434 PHILIP HEBERT MONTREAL QUE	B ENG 2 RI 4 095
DIENES LESLIE BRITTAIN HALL 2205 MESPLET ST MONTREAL NORTH QUE	2 TCHRS
DIKEOU VASSILIKI 3449 L HOTEL DE VILLE ST MONTREAL QUE	PARTIAL VI 5 4388
DILLEY ANN R 134 PERCIVAL AVE MONTREAL WEST QUE	B ED P ED 1 HU 4 8340
DILORETO RUDOLPH RINALDO 7044 DROLET ST MONTREAL QUE	B ENG CIV 3 CR 6 9659
DIN GHIAS UD 3572 HUTCHISON ST APT 9 31 LOWER MALL LAHORE PAKISTAN	PH D 3 VI 5 0344
DINES FRANCES B 4650 LACOMBE AVE MONTREAL QUE	B N 1 RE 8 3364
DINES MILTON MORRIS 4650 LACOMBE AVE MONTREAL QUE	D D S 3 RE 8 3364
DINES RONALD 5489 EARNSCLIFFE AVE MONTREAL QUE	B ENG 1 HU 1 4424

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DINGLE DAVID TERENCE 66 FINCHLEY RD HAMPSTEAD QUE	B C L 2 HU 4 8700
DINGMAN ELIZABETH ANNE 29 RENFREW AVE WESTMOUNT QUE	B A 4 HU 4 9855
DINGOTT MARIAN 4746 MAPLEWOOD AVE MONTREAL QUE	PHYSIOTH 3 RE 7 4033
DINH SON 2066 MANSFIELD ST MTL 33 PHAM DANG HUNG ST SAIGON SOUTH VIETNAM	L L M 1
DINNICK MICHAEL ANTHONY 3430 DRUMMOND ST MTL R R 2 AURORA ONT	B SC 2 VI 2 0789
DINNICK WILFRED S 3430 DRUMMOND ST MTL R R 2 AURORA ONT	B A 2 VI 2 0789
DINSLEY KENNETH GEORGE DOUGLAS HALL C O CIA SHELL DE VENEZUELA APOTADO 19 MARHCAIBO VENEZUELA	B SC 1
DION BENOIT 6540 MONKLAND ST MTL 92 ST ANTOINE ST LEWIS QUE	B ENG CIV 5 HU 1 9238
DION NORMAND J R 471 MURRAY AVE GREENFIELD PARK MONTREAL 23 QUE	B ENG 2 OR 1 4482
DIONNE RAYMOND MAURICE 7395 TERREBONNE AVE MONTREAL QUE	B ENG CIV 4 HU 6 2015
DIPPEL GERALD DONALD V 548 SHERBROOKE ST W MTL 93 BIRKBENK DR OAKVILLE ONT	B SC 2
DIREN GULTEKIN HOTEL DIEU HOSPITAL MONTREAL QUE	M SC 1
DI SALVO EMILIO 2325 VAUQUELIN ST MONTREAL 35 QUE	B ENG EL 3 RA 1 0946
DI TULLIO VINCENT ANTHONY 883 CHARLEVOIX ST MONTREAL QUE	B SC 4 WE 2 0036
DIXON ELIZABETH A H 522 WALPOLE AVE TOWN OF MT ROYAL QUE	B SC 2 RE 3 1207
DIXON MICHAEL EDWARD 3551 UNIVERSITY ST APT 2 MONTREAL 2 QUE	MD CM 3 VI 5 2389
DLUHOSCH ERICH 3430 MCTAVISH ST APT 102 MONTREAL QUE	B ARCH 5
DLUSY DEENA NAOMI 2521 MAPLEWOOD AVE APT 5 MONTREAL QUE	B COM 1 RE 3 3380
DOBELL COLIN RUTHVEN C 1114 ELGIN TERRACE PEEL ST MONTREAL QUE	B A 3 VI 9 7826
DOBSON DONALD H BRITTAIN HALL 5484 CHENIER PL MONTREAL 5 QUE	B ED 1
DOBSON EARLE FRANCIS MACDONALD COLLEGE R R 3 UXBRIDGE ONT	B SC AGR 4
DOCZY KLARA 4933 COOLBROOK AVE MONTREAL QUE	3 TCHRS HU R 4551
DODGE SHIRLEY IRIS 13 MARTIN ST LAVAL WEST QUE	3 TCHRS
DODMAN MICHAEL ARTHUR 202 DEVON AVE TOWN OF MT ROYAL QUE	B SC 4 RE 3 2988
DOEL DIANA JUNE ROYAL VICTORIA COLLEGE 11A THE AVENUE BRANKSOME PARK TOURNEMOUTH ENGLAND	B A 3 VI 2 0847
DOHERTY PATRICIA ROYAL VICTORIA COLLEGE 166 WARREN RD TORONTO ONT	B A 1
DOIG DAVID WILLIAM 823 BERWICK CRES MONTREAL 16 QUE	B SC 3 RE 3 7287
DOIG GEORGE ANDREW 1441 DRUMMOND ST MTL R R 3 LACHUTE QUE	B ENG 2
DOIG JAMES IAN 3445 PEEL ST MTL 217 ROCKCLIFFE DR DORVAL QUE	B SC 4 VI 5 9462
DOIG RONALD PAUL 7491 WISEMAN AVE MONTREAL QUE	B SC 3 CR 1 8044
DOIRON JOSEPH HENRI E 1567 MCGREGOR ST MTL C O MRS THOMAS SAVOIE 2000 ST PIERRE ST VILLE LEMOYNE QUE	M SC 1 WE 7 1909
DOLAN ALEXANDRA E 59 ROSEMOUNT CRES WESTMOUNT QUE	B A 1 WE 5 5423
DOLENGA BOHDANNA THERESA 9201 VERVILLE ST AHUNTSIC QUE	B A 3 DU 1 0926
DOLLFUSS RUDOLFE 3225 RIDGEWOOD AVE MONTREAL QUE	MD CM 1 RE 3 4778
DOLMAN DOUGLAS ROLPH 3581 UNIVERSITY ST MTL 227 WEMBLEY DR SUDBURY ONT	B ENG 2 VI 9 1368
DOLMAN MORTIMER 5116 JEANNE MANCE ST MONTREAL QUE	B SC 4 CR 7 1843
D OMBRAIN ANTONY J 10 ROSEMONT AVE WESTMOUNT QUE	B COM 1 WE 2 2992
D OMBRAIN KATHARINE M 10 ROSEMONT AVE WESTMOUNT QUE	B A 1 WE 2 2992
DOMINE CORINNE JEANETTE 1575 SUMMERHILL AVE APT 212 MTL ROSE HILL AVE RUGBY RD PHILLIPSBURG NEW JERSEY USA	B SC N 2 WE 5 4916
DONALDSON JAMES MILLAR 1955 GRAHAM BLVD TOWN OF MT ROYAL QUE	B ARCH 3 RE 3 7914
DONDALE CHARLES DENTON MACDONALD COLLEGE SCIENCE SERVICE LAB KENTVILLE N S	PH D 3
DONEFER EUGENE 13 LAMARCHE ST STE ANNE DE BELLEVUE QUE	PH D 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DONOHUE LYNN CATHERINE E MCLENNAN HALL R R 1 CORNWALL ONT	PHYSIOTH 3
DONOVAN JOHN KEVIN 5429 DUQUETTE AVE MONTREAL QUE	B C L 2 HU 8 4222
DONOVAN WALTER G MACDONALD COLLEGE 86 45TH ST LAVAL WEST QUE	2 TCHRS 2
DORAN AGNES MARTHA 5331 11TH AVE MONTREAL 36 QUE	B SC 1 RA 7 8016
DORANSKY MARY A STEWART HALL 8011 CHAMPAGNEUR AVE MONTREAL 15 QUE	B ED P ED 2
DORE GUY 377 PRINCE ARTHUR W MTL 1 MCKINNON ST MATANE QUE	B ENG EL 3 VI 9 0622
DORENFELD MORRIS 4614 JEANNE MANCE ST MONTREAL QUE	B ENG EL 3 VI 5 3315
DORFMAN SHEILA 3871 BELANGER ST APT 15 MONTREAL QUE	M SC 1 RA 8 9571
DORGET PHILIPPE ANDRE C 128 LAZARD AVE TOWN OF MT ROYAL QUE	B COM 2 RE 7 4470
DORKEN WALTER ROBERT 12 ST GEORGES PL WESTMOUNT QUE	B ENG CH 3 HU 8 4268
D ORNELLAS CASSIAN M MACDONALD COLLEGE 1 PRINCES ST GEORGETOWN BRITISH GUIANA	B SC AGR 1
DOROTICH DANIEL 522 SHERBROOKE ST W APT 27 MONTREAL 2 QUE	M A 1 AV 8 3918
DORR JOHN JEREMY 3463 SHUTER ST APT 1 MONTREAL QUE	B COM 4 VI 5 0746
DORRANCE DONALD A 2169 MARCIL AVE MONTREAL QUE	B ENG CIV 4 HU 1 6993
DORRANCE GLORIA APT 11 A MACDONALD COLL 181 MACAMIC RD NORANDA QUE	3 TCHRS
DORSEY EDITH ANN 740 UPPER ROSLYN AVE WESTMOUNT QUE	B A 2 HU 6 3382
DOSSETOR JOHN B 3660 LORNE CRES MONTREAL QUE	PH D 3 VI 5 3676
DOUGHERTY DELBERT W BRITTAIN HALL BURY QUE	2 TCHRS 2
DOUGLAS JAMES BRUCE 755 FOURTH AVE VERDUN QUE	B COM 4 PO 6 5501
DOUSETT WILLIAM A MACDONALD COLLEGE R R 2 VALD OR QUE	B SC AGR 2
DOUYON LAMARQUE 6400 BEURLING AVE APT 72A VERDUN 23 RUELLE NAZON PORT AU PRINCE HAITI	MED DIPL 2 PO 8 4807
DOWIE ROBERT OWEN 405 LETHBRIDGE AVE MONTREAL QUE	B ENG CIV 3 RE 8 3320
DOWNER PETER J 2070 UNION AVE APT 11 42 HIGH RD E FELIXSTOWE SUFFOLK U K	M SC 1
DOWNEY DEANE E D DOUGLAS HALL 1324 PRINCESS ST REGINA SASK	B A 1 VI 8 3506
DOXSEE CYNTHIA FRANCES 36 MAPLE AVE STE ANNE DE BELLEVUE QUE	B A 1
DRABINSKY DAVID 5615 RAND AVE COTE ST LUC QUE	MED DIPL 1 HU 9 4643
DRAGONAS HELEN 1975 KILDARE RD TOWN OF MT ROYAL QUE	B A 2 RE 1 2981
DRAKE ELIZABETH ANNE ROYAL VICTORIA COLLEGE P O BOX 604 SAULT STE MARIE ONT	B SC 2 VI 2 0598
DRAPKIN LINDA BARBARA 495 MITCHELL AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 6016
DRAYTON DONALD I BRITTAIN HALL MACDONALD COLLEGE 62 BARR ST GEORGETOWN 18 BRITISH GUIANA	B SC AGR 3
DRAYTON ROBERT MCDONALD 3546 SHUTER ST MONTREAL QUE	B A 3
DRAZEK HELEN 179 DE L EPEE AVE OUTREMONT QUE	B A 1 CR 9 2494
DRAZIN LOUIS 6042 WILDERTON AVE MONTREAL QUE	B C L 2 RE 8 1240
DREW EDWARD JOHN DOUGLAS HALL 12 UPPER BROOK ST LONDON W 1 ENGLAND	B A 2
DREW RONALD S MACDONALD COLLEGE R R 4 COATICOOK QUE	AGR DIP 1
DREYFUS EVELYNE H 279 SOURCES RD STRATHMORE QUE	2 TCHRS 1 ME 7 8988
DRIVER PETER MICHAEL 110 ELGIN TERRACE APT 301 MONTREAL QUE	PH D 2 VI 4 7803
DROLET ROMEO G 3491 DUROCHER ST VILLE MARIE QUE	B C L 4 VI 9 5220
DROSTE DORIS IRENE 3445 RIDGEWOOD AVE APT 202 MONTREAL QUE	B ARCH 5 RE 8 4511
DRUKER EDWARD JOSEPH 2732 BRINTON RD MONTREAL QUE	B A 4 RE 7 6805
DRUMMOND DENIS SISE 10 BELLEVUE AVE WESTMOUNT QUE	MD CM 1 HU 4 5471
DRUMMOND DEREK ARMOUR 47 ROSEMOUNT AVE WESTMOUNT QUE	B ARCH 3 WE 2 6860
DRUMMOND GORDON DOUGLAS 772 GODIN AVE VERDUN QUE	B SC 3 PO 8 5769
DRUMMOND ROBERT NORMAN 43 POINTE CLAIRE AVE POINTE CLAIRE QUE	PH D 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DRUPALS MAY 5230 O BRYAN AVE MONTREAL QUE	B SC 2 HU 6 1846
DRURY FREDERICK CHARLES 159 NORMANDY DRIVE TOWN OF MT ROYAL QUE	B ENG 2 RE 1 4745
DRUZIN SHEILA 3935 LINTON AVE APT 4 MONTREAL QUE	B SC 1 RE 1 4850
DRYDEN ANNABELLE STEWART HALL R R 1 COWANSVILLE QUE	B SC H EC 1
DRYDEN THOMAS HENRY 2060 MANSFIELD ST MTL R R 1 COWANSVILLE QUE	B ENG 2
DRYMER BETTE JOY 23 LEGAULT ST STE ANNE DE BELLEVUE 4593 COOLBROOKE AVE COTE ST LUC QUE	3 TCHRS
DRYMER EARL HARVEY 6462 SHERBROOKE ST W APT 14 MONTREAL QUE	B C L 3 HU 8 2252
DRYSDALE JAMES KEITH 82 STRATHEARN AVE MONTREAL WEST QUE	B SC 3 HU 6 1858
DRYSDALE KEVIN JAMES 3592 UNIVERSITY ST MTL 5 ST LOUIS ST ST JOHNS QUE	B ENG 2 VI 2 2455
DRYSDALE WILLIAM J 442 LAKESHORE RD BEAUREPAIRE QUE	B A 1
DUARTE CHABROL JOHN G 2022 UNION AVE APT 12 MONTREAL QUE	B SC 4 VI 9 6876
DUBE JOSEPH JEAN YVON 254 SHERBROOKE ST W MTL 328 ST MAURICE PK CAP DE MADELEINE QUE	B ENG 1
DUBE RAYMOND 6450 MONKLAND AVE APT 22 31 ST PAUL ST COATICOOK QUE	B ENG CIV 5 HU 6 9136
DUBORD JOSEPH RENE 1889 CARTIER MONTREAL QUE	B ENG CIV 5 LA 5 1322
DUCHARME SERGE PAUL 5636 BANNANTYNE AVE VERDUN QUE	B ENG 1 PO 8 1158
DUCKWORTH JOHN RICHARD 3505 UNIVERSITY ST MTL R9 CAMBRIDGE ST HALIFAX N S	B ENG CIV 3 VI 5 4873
DUFAYS PAUL ARTHUR HENRY 475 PINE ST MTL 1885 LAVAL RD VILLE ST LAURENT QUE	B ENG 2 RI 7 3437
DUFEAU LABEYRIE DANIELE 4655 BONAVISTA AVE MONTREAL QUE	B C L 1 HU 4 6451
DUFF ARTHUR W DOUGLAS HALL CRAGMONT RANCH CALISTOGA CALIF USA	MD CM 4
DUFF GRAHAM LYMAN 24 MELBOURNE AVE WESTMOUNT QUE	B ENG EL 3 WE 2 2659
DUFF SHEILA LOUISE 24 MELBOURNE AVE WESTMOUNT QUE	B SC 3 WE 2 2659
DUFFIELD PETER ROE 3965 RAMEZAY AVE MONTREAL QUE	B ENG CIV 5 WE 5 3366
DUFFY KENNETH RAYMOND 124 MARTIN AVE DORVAL QUE	B SC AGR 2 ME 1 1222
DUFOUR JEAN PAUL 2057 MANSFIELD APT 12 MONTREAL QUE	B C L 4 VI 9 3869
DUFRESNE PATRICIA ANNE 875 COTE VERTU MTL 14175 ARCHDALE RD DETROIT 27 MICHIGAN U S A	B A 3 RI 7 4945
DUGAS MARCEL E 3626 OXENDEN MTL 290 PARKDALE OTTAWA ONT	B ENG CIV 4
DUGUAY RENE PAUL 3512 SHERBROOKE ST E APT 3 MTL BOX 3 SMOOTH ROCK FALLS ONT	B SC 3
DUKE RICHARD HAROLD 388 BEAUMONT ST BRUNO QUE	B ENG CIV 3 OL 3 6493
DUKE SANDRA H 1 1592 PINE AVE W MTL 1343 HOLLOWAY DR PETERBOROUGH ONT	B N 1 WE 3 0779
DUMBRELL CHARLES J MACDONALD COLLEGE 204 SWITZER AVE OTTAWA ONT	AGR DIP 1
DUNBAR SAMUEL C 1280 LAIRD BLVD MONTREAL QUE	B ENG CIV 5 RE 3 6276
DUNBAR SUSAN ELIZABETH ROYAL VICTORIA COLLEGE 30 COBALT ST COPPER CLIFF ONT	B A 3
DUNDAS FREDERICK N 359 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B ARCH 1 RE 7 8418
DUNDAS JOHN BROCK 359 KINDERSLEY AVE TOWN OF MT ROYAL QUE	MD CM 4 RE 7 8418
DUNDAS ROBERT GORDON 359 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B SC 2 RE 7 8418
DUNFIELD JOHN CHARLES DOUGLAS HALL 406 THE KINGSWAY TORONTO 18 ONT	B ENG 2
DUNKERLEY DAVID WILLIAM 5502 RANDALL AVE COTE ST LUC QUE	B ENG EL 4 HU 4 0661
DUNLOP AMY ANNE 4182 BEACONSFIELD AVE MONTREAL 28 QUE	B SC 1 HU 6 1551
DUNLOP DAVID WHITSON S 3424 DRUMMOND ST MTL THE HAYSEL HILDENBOROUGH KENT ENGLAND	B A 2 VI 4 0659
DUNN ANITA SHARON 4878 ISABELLA AVE MONTREAL QUE	B A 2 RE 8 8101
DUNN EARL VINCENT 1487 CHOMEDY ST APT 5A BOX 209 COOKSHIRE QUE	MD CM 3 WE 5 7391
DUNN JOHN THOMAS 116 QUEENS RD VALOIS QUE	B ENG MCH 3
DUNPHY THOMAS J MACDONALD COLLEGE PEAKE S STATION P E I	B SC AGR 3
DUNSEATH BARRIE 3454 PEEL ST MTL SOMBRA ONT	B SC 3 VI 9 0696

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DUNSIGER AURAM D 5134 TRANS ISLAND MONTREAL QUE	B ENG 1 HU 1 5947
DU PLESSIS LEON PHILIP 2720 DARLINGTON PL APT 1 MONTREAL 26 QUE	MD CM 2 RE 7 5259
DUPLISEA LETESHIA MAE P W MACDONALD COLLEGE MTH OF KESWICK YORK CO N B	B SC H EC 2
DUPONT PIERRE ALBERT 27A PERRAULT AVE STE ANNE DE BELLEVUE QUE	A ENG CIV 3
DUPRE MARILYN V 93 LAKESHORE RD POINTE CLAIRE QUE	B SC H EC 1
DUPUIS YVON C 2057 DEPATIE VILLE ST LAURENT QUE	B ENG CIV 5 RI 8 9961
DUQUET ELIZABETH ELLEN M 807 LEXINGTON AVE WESTMOUNT QUE	B A 1 HU 6 3901
DURDEN CHRISTOPHER JOHN R R 1 ILE PERROT N QUE	B SC 2
DUROCHER BARBARA F APT 2 MACDONALD COLL 45 LAFLEUR AVE APT 1 VERDUN QUE	3 TCHRS
DUROCHER RICHARD D 1935 CANORA RD TOWN OF MT ROYAL QUE	M C L 4 RE 8 4032
DURRANT CHARLES DAVID 70 WINSTON CIRCLE POINTE CLAIRE QUE	B SC 2 OX 5 6368
DURSO ANDRE FRANCIS 7964 ST DOMINIQUE MONTREAL QUE	B C L 2 DU 7 3660
DUTHIE MARION LOUISE MACDONALD COLLEGE 173 GLENGROVE AVE W TORONTO 12 ONT	B SC H EC 4
DU TOIT DEMAY C O GEOLOGICAL DEPT	B SC 1
DUTTON LAWRENCE A 650 17TH AVE LACHINE QUE	B SC AGR 1
DUTTON PAMELA E MACDONALD COLLEGE 2 BELLE VALLEE ST EUSTACHE WEST QUE	3 TCHRS
DUTTON WALTER ARTHUR 650 17TH AVE LACHINE QUE	B SC 3 ME 7 5138
DUVAL FRANCOIS 1050 LAURIER W MTL GRACEFIELD QUE	B ENG COM 5 CR 1 0529
DUVAL NORMAND 2185 NICOLAS PERROT MONTREAL QUE	M C L 4 RI 7 6740
DUVERNET JOHN FREDERICK 1547 MCGREGOR ST MTL 521 HIGHLAND AVE OTTAWA ONT	B ARCH 4 WE 3 0394
DVORSKY MARY 10035 VERVILLE ST MONTREAL 12 QUE	3 TCHRS DU 9 2262
DWORKIN NORMA GAIL 4900 GROSVENOR AVE MONTREAL QUE	B A 2 HU 1 3212
DWYER DENNIS FIELDING 3005 BARAT RD MONTREAL QUE	B COM 4 WE 2 4864
DYCK RONALD DENNIS 105 KINGS RD VALOIS P O BOX 96 STATION B SHAWINIGAN QUE	B ENG MCH 4
DYCKHOFF PAULINE R ROYAL VICTORIA HOSPITAL 17 PARK RD GATLEY CHESHIRE ENGLAND	MED DIPL 1
DYER THELMA EDITH 4455 LASALLE BLVD VERDUN QUE	M S W 1 PO 9 3076
DYKE JOHN GERRARD 120 GEORGE V AVE LACHINE QUE	B ENG MCH 3 ME 7 2950
DYMENT PAUL GEORGE 447 CHESTER TOWN OF MT ROYAL QUE	MD CM 3 RE 8 0888

E

EAGLESHAM HUGH HILLIAR 1441 DRUMMOND ST MTL BOX 1418 WEYBURN SASK	B SC 2
EAKIN BARBARA GAEL 635 CARLETON AVE WESTMOUNT QUE	B A 2 HU 1 1456
EAKINS ROSEMARY LOUISE 495 PRINCE ARTHUR ST W APT 16 MONTREAL QUE	M A 2 VI 5 6616
EAMAN ROBERT DOUGLAS 3450 MARLOWE AVE MONTREAL QUE	B SC 4 HU 1 9562
EAMAN STANLEY GEORGE 4385 MELROSE AVE MONTREAL QUE	B SC 2 HU 1 3280
EAPPEN COLLAPARAMBIL E 3629 LORNE CREC APT 6 AZHIPURA KOTTEYAM KERALA S INDIA	PH D 4 VI 2 0364
EARTHROWL JOHN A 7490 CHAMPLAIN BLVD MONTREAL 32 QUE	B SC 1 PO 9 3069
EASDON MICHAEL MORTIMER 2068 SHERBROOKE ST W MONTREAL QUE	B SC 3 WE 3 1523
EASTERBROOK IAN K 3473 UNIVERSITY ST MTL MERIDEN COURTRIGHT ONT	B A 2 VI 2 0792
EASTON ANTHONY JOHN 95 LAKESHORE DR APT 30 DORVAL QUE	B ENG 2 ME 1 8955
EASTON BARBARA ELLEN R 1774 ST CROIX BLVD VILLE ST LAURENT QUE	B SC 1 RI 7 8473
EASTON EDWARD E H 1395 DECARIE BLVD MTL C O NAT PROV BANK LTD CAMELFERD CORNWALL ENGLAND	M ENG 1 RI 7 8398
EASTEAL CHARLES DENNIS 134 BALLANTYNE AVE N MONTREAL WEST QUE	M ENG 2 HU 4 2903
EATON CYNTHIA CAROL 482 MT PLEASANT AVE WESTMOUNT QUE	B A 4 WE 3 6002
EATON JOHN BURTON MACDONALD COLLEGE CANNING N S	B SC AGR 4
EATON ROBERT FINLAYSON 482 MT PLEASANT AVE WESTMOUNT QUE	B A 2 WE 3 6002

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NAME ADDRESS	COURSE & YEAR TEL. NO.
EBERTS EDMOND GORDON 531 CARLETON AVE WESTMOUNT QUE	B SC 4 HU 8 5403
EBERTS GORDON HOWARD 631 CARLETON AVE WESTMOUNT QUE	B A 2 HU 8 5403
EBERTS JOHN D 631 CARLETON AVE WESTMOUNT QUE	B ENG 2 HU 8 5403
ECCLES AUDREY 6123 TERREBONNE ST MONTREAL QUE	B A 3 HU 8 8789
ECHENBERG GORDON LEE 444 VIMY ST SHERBROOKE QUE	B COM 2
ECHENBERG HOWARD BERTRAM 3483 PEEL ST MTL 587 BRYANT ST SHERBROOKE QUE	B COM 2 VI 2 0882
ECHENBERG MYRON J 3483 PEEL ST MTL 572 DUFFERIN AVE APT 4 SHERBROOKE QUE	B ENG 2 VI 2 0082
ECHEVERS ERNESTO JOSE 3506 UNIVERSITY ST MTL P O BOX 4298 PANAMA PANAMA R OF PANAMA	B SC 3 VI 4 0624
ECKERSLEY GORDON 1735 EDOUARD LAURIN BLVD APT 3 VILLE ST LAURENT QUE	B ED 1 RI 7 9429
EDE NORMAN LAURENCE 18 WAVERLEY RD POINTE CLAIRE QUE	B ENG EL 3
EDELBERG DAVID SHABSAI 4501 HARVARD AVE MONTREAL 28 QUE	B ENG 2
EDELBERG FRANK 5864 DECELLES PL APT 25 MONTREAL 26 QUE	B SC 1 RE 1 0598
EDELSTEIN ELDA MASHA 5826 DECELLES AVE MONTREAL QUE	B COM 4 RE 8 9748
EDEN JOYCE MAY BOX 593 GASPE QUE	3 TCHRS
EDWARDS GLYN KENNETH 5055 VICTORIA AVE MONTREAL QUE	B ENG 2 RE 7 9589
EDWARDS IVOR KEITH BOX 65 MACDONALD COLLEGE BOX 83 MANDEVILLE JAMAICA W I	B SC AGR 2
EDWARDS KELLY PETER R DOUGLAS HALL P O BOX 1204 SALESBURG S RHODERIA	B SC 1
EDWARDS MAURICE OWEN WILSON HALL P O BOX 83 MANDEVILLE JAMAICA B W I	B SC 2 VI 4 0624
EGAN JOANNE M STEWART HALL 544 BLAIR ST OTTAWA ONT	B SC H EC 1
EGLINGTON PETER CHESTER 256 PINE AVE W MTL 3660 LORNE CRES APT 6 MONTREAL QUE	B COM 2 VI 9 8275 AV 8 0157
EGRI JOHN 238 FAIRFIELD AVE ROSEMERE QUE	B ENG 2
EHRLICH ANNETTE 3491 STANLEY ST MONTREAL QUE	PH D 4 VI 4 9434
EHRLICH DANIEL JOSEPH 3491 STANLEY ST MONTREAL QUE	PH D 2 VI 4 9424
EIBEL DEBORAH 6657 WILDERTON AVE MONTREAL QUE	B A 3 RE 7 3717
EICHMAN OTTO KARL 3475 RIDGEWOOD APT 204 303 E ROSS PALMYRA MO USA	MD CM 2 RE 3 7627
EIDLE WILLIAM R 17 WOODLAND AVE POUGHKEEPSIE N Y USA	MD CM 1
EIN SIGMUND HIRSCH 4043 VENDOME AVE MONTREAL QUE	MD CM 2 HU 6 7462
EISENBRAUN ALLAN A 5447 MONTCLAIR AVE MONTREAL QUE	PH D 4 HU 8 4142
EISENBRAUN EDGAR W 5447 MONTCLAIR AVE MONTREAL QUE	PH D 4
EISENSTAT HYMAN A 5150 DECARIE BLVD APT 11 MONTREAL QUE	B COM 1 HU 6 6942
EISENSTEIN SAM 1115 LAJOIE AVE APT 6 MONTREAL 8 QUE	M SC 1 CR 2 2027
EISNER HASKEL 722 QUERBES AVE MONTREAL QUE	B SC 1 CR 4 7561
EKPENYONG JOHN OROK 3510 LORNE AVE MONTREAL QUE	M A 1 AV 8 5391
ELDER MURRAY G 3453 SHUTER ST MTL CHRISTIEVILLE QUE	B ENG 2
ELEFAN MADELINE M 6575 VICTORIA AVE APT 12 MONTREAL QUE	B A 1 RE 3 6548
ELIAS JOSEPH PAUL 3851 UNIVERSITY ST MTL 41 MURRAY ST PORT OF SPAIN TRINIDAD B W I	B COM 3 AV 8 0707
ELIE JOHN DEXTER 302 VIGER AVE MONTREAL 18 QUE	B SC 1 UN 1 5918
ELIOT ALEXANDRA OSTI 3465 STANLEY ST APT 12 PELBROOK HALL PELHAM N Y U S A	PARTIAL
ELIOT CHRISTOPHER RHODES 3465 STANLEY ST APT 12 89 IRVING ST CAMBRIDGE 38 MASS U S A	MD CM 2 VI 9 8828
ELIOT SARAH G ROYAL VICTORIA COLLEGE 2276 WOODLAWN CRES VICTORIA B C	MD CM 1
ELKIN EPHRAM L 5126 CLANRANALD AVE MONTREAL QUE	B ENG 1 HU 8 2270
ELKIN IRENE 581 LANSDOWNE AVE MONTREAL 6 QUE	B A 1 HU 1 2828
ELKIN JACOB JOSEPH DE S 581 LANSDOWNE AVE MONTREAL 6 QUE	B A 2 HU 1 2828
ELKINS DAVID S 4580 ROYAL AVE MONTREAL QUE	B ENG 1 HU 6 1481
ELLINGWOOD STANLEY G 1429 BISHOP ST APT 4 MONTREAL QUE	M SC 1 VI 4 4572

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ELLIOTT ALAN S MACDONALD COLLEGE MELVERN SQ ANNA CO N S	B SC AGR 3
ELLIOTT BRIAN WILSON 2347 HINGSTON AVE MONTREAL 28 QUE	B SC 1 HU 6 4590
ELLIOTT DAVID WILLIAM 2991 CEDAR AVE MONTREAL QUE	B SC 3 WE 3 5222
ELLIOTT DONALD ALLAN 299 QUINN BLVD LONGUEUIL QUE	B ENG 1 OR 4 4752
ELLIOTT DOROTHY E MACDONALD COLLEGE R R 2 SHAWVILLE QUE	3 TCHRS
ELLIOTT GILBERT OWEN 299 QUINN BLVD LONGUEUIL QUE	B ENG 2
ELLIOTT MICHAEL H MACDONALD COLLEGE CHRISTIANA JAMAICA B W I	PARTIAL
ELLIOTT NORMA C 4526 HINGSTON AVE MONTREAL QUE	3 TCHRS HU 6 0612
ELLIOTT PETER NICHOLAS 5620 ST JOSEPH ST LACHINE QUE	B ENG 2 ME 7 3984
ELLIOTT RODERICK DAVID 60 CEDAR AVE HUDSON QUE	B ENG EL 4
ELLIS DANIEL BENSON 1499 CRESCENT ST MTL 3619 UNIVERSITY ST MONTREAL QUE	PH D 1
ELLIS LEONARD 4390 WILSON AVE MONTREAL 28 QUE	B A 4 HU 6 4121
ELLIS MORTY NORMAN 5734 NORTHMOUNT AVE MONTREAL 26 QUE	B A 4 RE 8 7920
ELLIS NORMA J W 479A PRINCE ARTHUR ST W BOX 36 ST GEORGE NEW BRUNSWICK	PH D 4 VI 4 7063
ELLIS PETER D M 584 SHERBROOKE ST W MONTREAL QUE	B ED 3
ELLIS ROBERT THOMAS BRIAN 356 9TH AVE VILLE LA SALLE QUE	B ENG 2 PO 8 0966
ELLISON ROBERT A 700 VICTORIA DRIVE BAIE D URFE QUE	B SC AGR 1
ELLMAN SHEILA HARRIET 3713 SAINT FAMILLE ST 362 BRUNSWICK ST FREDERICTON N B	M SC 1 VI 9 9915
ELLS IVAN B MACDONALD COLLEGE CENTERVILLE R R 1 KING S COUNTY N S	B SC AGR 3
ELMAN ANNA LEE 7483 DE L EPEE AVE MONTREAL QUE	B A 1 CR 2 0602
ELMAN SAMUEL H 4920 DORVAL AVE MONTREAL QUE	B A 1 RE 8 1788
ELMAN SARITA 7483 DE L EPEE AVE MONTREAL QUE	B A 1 CR 2 0602
ELSDON WILLIAM LLOYD 117 MACKAY CRES WATERLOO ONT	PH D 6

NAME ADDRESS	COURSE & YEAR TEL. NO.
ELSON JAMES F UNITED THEOLOGICAL COLL KENMORE ONT	PARTIAL VI 5 4873
EMBREE DONNA M ROYAL VICTORIA COLLEGE AMHERST R R 2 NOVA SCOTIA	B A 2 VI 2 0847
EMERSON JAMES D Y M C A MEADOWVALE ONT	B ENG 1
EMERSON VIRGINIA S 51 WESTMINSTER AVE N MONTREAL W QUE	M S W 1 HU 6 6319
ENGELAND GERALD MAURICE 66 ST LOUIS ST DORVAL QUE	B ENG 2 ME 1 8989
ENGELBERT ALBERT CLAUDE 990 CHEMIN CHERRIER ILE BIZARD QUE	B COM 3
ENGELSTEIN JANET B 4549 CIRCLE RD MONTREAL QUE	B A 1 HU 4 8587
ENGLAND LAWRENCE E C 98 DEVONSHIRE RD GREENFIELD PARK QUE	B ENG 1 OR 1 2028
ENGLER EILEEN 1209 ST VIATEUR W MONTREAL QUE	B A 2 CR 4 8082
ENGLISH MARION M STEWART HALL 327 ISLAND PARK DR OTTAWA ONT	B ED P ED 2
ENGLISH STANLEY FRASER 416 HUDSON AVE MONTREAL W QUE	B C L 2 HU 9 6727
ENRIGHT HARRY J MACDONALD COLLEGE R R 4 COBDEN ONT	B SC AGR 1
EPSTEIN ANGELA 805 MCEACHRAN AVE APT 7 MONTREAL QUE	B SC 2 CR 6 5687
EPSTEIN SAM 5728 QUEEN MARY RD HAMPSTEAD QUE	B A 3 HU 8 0117
ERETT STANLEY L 3508 UNIVERSITY AVE MTL 341 HENRY ST W PRESCOTT ONT	B D 2 VI 4 0752
ERICKSON CAROL G 4322 ST CATHERINE ST MONTREAL 6 QUE	B A 1 WE 3 2177
ERICKSON CARYL A ROYAL VICTORIA COLLEGE 37 TUNSTALL AVE SENNEVILLE QUE	PHYSIOTH 1
ERICKSON WILLIAM JOHN 345 GRAHAM BLVD APT 14 TOWN OF MT ROYAL QUE	B C L 1 RE 3 2640
ERLANGER JOSEPH MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	H S D DIP
ESAR BENJAMIN 5175 WESTBURY AVE MONTREAL QUE	B ENG EL 4 RE 8 1218
ESCHAUZIER HENRI PIERRE 3653 UNIVERSITY ST MTL NETHERLANDS EMBASSY JACQUINGASSE 8 10 VIENNA 3 AUSTRIA	B A 2 VI 5 2738
ESDALE WILLIAM J R R 1 LONG SAULT ONT	B SC AGR 1
ESPLEY PATRICIA P MACDONALD COLLEGE 965 REGENT AVE MONTREAL QUE	P E DIP 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ESSEPIAN JOHN PHILLIP 5978 SOMERLED AVE MTL 23 HILLCREST AVE LATHAM N Y U S A	D D S 4 HU 1 2486
ETCOVITCH ALLEN 776 BLOOMFIELD AVE MONTREAL 8 QUE	B SC 3 CR 4 1801
ETCOVITCH SANDRA 4740 CIRCLE RD MONTREAL QUE	3 TCHRS HU 1 7300
ETHERIDGE EDWARD B 1541 ST MARK APT 2 MTL R R 2 KING ONT	B ENG 1
ETHERINGTON BARBARA JANE MCLENNAN HALL 218 ABERDEEN AVE HAMILTON ONT	PHYSIOTH 3
ETIENNE LORRAINE E ROYAL VICTORIA COLLEGE 145 HIGHLAND AVE KINGSTON N Y U S A	B A 2 VI 2 0327
ETTINGER ZAVE 5724 MOUNTAIN SIGHTS APT 9 MONTREAL QUE	M S W 2 RE 1 1663
EVANGELATOS TIMOTHY V 5704 ESPLANADE AVE MONTREAL QUE	B ENG PHY 5 CR 1 5344
EVANS EDWARD ARTHUR 66 ARLINGTON AVE WESTMOUNT QUE	B ENG 2 WE 7 3337
EVANS JANET P HUT B 20 MACDONALD COLLEGE QUE	2 TCHRS
EVANS JEAN CAROLYN 1275 LATOUR ST VILLE ST LAURENT QUE	B SC 2 RI 8 7078
EVANS JOHN WILLIAM P O BOX 85 MACDONALD COLLEGE P O	M SC 1
EVANS SYLVIA J MACDONALD COLLEGE 410 LONDON ST SHERBROOKE QUE	3 TCHRS
EVANS WILLIAM DAVID 52 MORGAN RD BAIE D URFE QUE	B ENG COM 5
EVE FRANK R BEACHWOOD BUXTON ENGLAND	B SC 1
EVELYN DEREK EDWARD T 636A 69TH AVE L ABORD A PLOUFFE QUE	B COM 3
EVERITT DOROTHY IONA ROYAL VICTORIA COLLEGE SCHREIBER ONT	B A 3 VI 2 0113
EWART ROBERT GEORGE 204 RUTH AVE OTTERBURN PK QUE	B SC 2
EWING MARGARET LORA ROYAL VICTORIA COLLEGE R F D 1 EASTHAMPTON MASS U S A	B A 2

F

FACTO LONNIE O P O BOX 85 STA B MTL 2843 INGERSOLL AVE DES MOINES IOWA U S A	PARTIAL
FAIGAN HARVEY 4090 PLAMONDON AVE APT 6 MONTREAL QUE	D D S 2 RE 8 6445
FAILLE NANCY ANN 4326 SHERBROOKE ST W MTL 41 FENWICK ST SPRINGFIELD MASS U S A	B ENG PWR 5 WE 5 6682
FAIRBAIRN DAVID RAY 488 STRATHCONA AVE WESTMOUNT QUE	B COM 4 WE 7 4587
FAIRBARNS DAVID K 882 DENISON CRES OTTAWA 3 ONT	PH D 4
FAIRMAN FREDERICK WALKER 7325 SHERBROOKE ST W APT 2 MONTREAL QUE	B ENG COM 5 HU 9 7154
FALLENBUCHL ZBIGNIEW M 4201 DECARIE BLVD APT 4 MONTREAL QUE	PH D 2 HU 9 7315
FALTA LADA PATRICIA 2375 MACNEIL RD MONTREAL 16 QUE	B SC 1 RE 7 9842
FALTA VERA SONIA 2375 MACNEIL RD MONTREAL 16 QUE	B SC 3 RE 7 9842
FANABERIA NAOMI 4 HUDSON AVE WESTMOUNT QUE	B A 1 WE 5 3648
FANCOTT JULYAN 119 CEDAR AVE POINTE CLAIRE QUE	B A 3
FANCOTT TERRILL 119 CEDAR AVE POINTE CLAIRE QUE	B ENG EL 3
FARGE JEAN CLAUDE 3905 SHERBROOKE ST EAST MONTREAL QUE	B ENG MET 4 CL 6 8754
FARIS MOHAMMED AHMED BARAJ BLDG SADOT ST BEIRUT LEBANON	B ENG AM 5
FARLEY DON EDMOND 501 PINE AVE W MTL 2711 EAST 13TH AVE SPOKANE 32 WASHINGTON U S A	MD CM 4 VI 4 7092
FARLEY JOHN D 3558 JEANNE MANCE ST MTL 219 GLOUCESTER RD OAKVILLE ONT	B ARCH 6 AV 8 5668
FARMER ALAN 1420 PINE AVE W MTL 60 CLOUGH AVE LENNOXVILLE QUE	B A 3 AV 8 1666
FARMER ANNE JULIA ROYAL VICTORIA COLLEGE HILL MANOR BLACK HILL LINDFIELD SOSSEX ENGLAND	B A 1 VI 2 0829
FARMER FRASER HARVEY 44A PERRAULT AVE STE ANNE DE BELLEVUE QUE	B ENG EL 3
FARMER KEITH DAVID 174 TURGEON ST STE THERESE QUE	B ENG 2
FARMER RICHARD R 548 PRINCE ARTHUR ST W 72 QUEEN ST GUELPH ONT	B ENG 2 VI 5 9609
FARMER ROBERT ALLAN WILSON HALL 26 DAWSON AVE DORVAL QUE	B ENG CIV 3 VI 4 0624
FARNDALE PENELOPE 75 GABLES COURT BEACONSFIELD QUE	B A 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FARNSWORTH JAMES FRANKLIN 5 LEGAULT STE ANNE DE BELLEVUE 23 ELLERDALE RD HAMPSTEAD QUE	B SC AGR 2
FARNSWORTH PETER BIRGER 3521 SHUTER ST MTL WESTPORT NEW YORK U S A	MD CM 4 AV 8 1779
FARQUHARSON ARTHUR DAVID 1509 SHERBROOKE ST W APT 56 MTL 103 HILLHURST BLVD TORONTO ONT	B ENG CIV 5 WE 2 4609
FARR ELIZABETH MARY ROYAL VICTORIA COLLEGE 126 MISSISSAGA ST E ORILLIA ONT	B A 1 VI 2 0829
FARR ROBERT J MACDONALD COLLEGE SWEETSBURG QUE	B SC AGR 2
FARRAR DIANNE C 838 DESMARCHAIS BLVD VERDUN QUE	2 TCHRS 1 PO 7 7882
FARRELL THOMAS ADAM 6300 LENNOX AVE MTL HARTS HILL WHITESBORO N Y U S A	MD CM 2
FARUQI ZIYA UL HASAN 3531 SHUTER ST MONTREAL QUE	M A 2 VI 9 9181
FAST JOYCE J 418 PINE AVE W MTL 3204 LANCASTER BLVD MONTGOMERY PLACE SASKATOON SASK	B SC N 2 AV 8 0867
FATTAL LEON YEHUDA WILSON HALL	B ENG 2 VI 4 0624
FATTAL TONY WILSON HALL 29 PRINCES COURT BRAMPTON RD LONDON S W 3 ENGLAND	B ENG 1
FAUGHNAN EILEEN V 333 MONMOUTH RD TOWN OF MT ROYAL QUE	PARTIAL RE 8 0746
FAULCONBRIDGE ALBERT J 3433 DUROCHER ST APT 107 MONTREAL QUE	MD CM 3
FAVREAU RAYMOND 2777 GOYER APT 7 MONTREAL QUE	B C L 3 RE 3 6583
FAVREAU ROGER F J 635 MONTROSE AVE AVE DUVERNAY QUE	B C L 3
FAUTEUX JEAN 218 WILLOWDALE AVE MONTREAL QUE	A & S COM 1 RE 8 4457
FAY BARBARA JOAN ROYAL VICTORIA COLLEGE 20 KIRKHAM ST NEWINGTON 11 CONN U S A	B SC 2 VI 2 0847
FEARMAN FRANCES SCOTT ROYAL VICTORIA COLLEGE 20G COLBURNE ST W OAKVILLE ONT	B A 3 VI 2 0495
FEDER NORMAN 1235 BERNARD AVE W APT 18 MONTREAL QUE	B SC 1 CR 7 8735
FEDERSPIEL HOWARD MANLEY 6954 OUTREMONT AVE MTL 13 WASHINGTON ST AKRON NEW YORK U S A	M A 1
FEDORKOW WILLIAM PERRON QUE	B ENG 2
FEFFERMAN STANLEY 4620 PLAMONDON AVE APT 2 MONTREAL QUE	M A 1 RE 1 2922
FEHER PETER J 3649 DUROCHER ST APT 7 MONTREAL QUE	MD CM 4 VI 4 8052
FEHERDY IVAN 1 CHELSEA PL MONTREAL QUE	B A 3 WE 5 3720
FEIFER GERALD LEO 15 PAGNUELO AVE OUTREMONT QUE	B COM 4 CR 2 5628
FEIFER HERBERT 15 PAGNUELO AVE OUTREMONT QUE	B ENG 2 CR 2 5628
FEINCHNEIDER JEANINE 2140 COLLEGE AVE VILLE ST LAURENT QUE	B SC 2 RI 8 8965
FEINER MERRILLE BINA 4511 MAPLEWOOD AVE MONTREAL QUE	B SC 4 RE 8 8620
FEINGOLD MYRA BELLE M 5135 LACOMBE AVE MONTREAL QUE	B A 2 RE 1 0419
FEISE CHRISTIAN M 5229 BORDEN AVE MONTREAL 29 QUE	B ARCH 1 HU 6 2363
FEISE THEODOR C 5229 BORDEN AVE MONTREAL 29 QUE	B ENG 1 HU 6 2363
FELDMAN ALLEN EDWARD 3081 BRIGHTON AVE MONTREAL QUE	B SC 2 RE 7 7715
FELDMAN ARNOLD E 4620 BESSBOROUGH AVE MONTREAL QUE	B ENG 1 HU 8 7009
FELDMAN BRYNA BARBARA 726A QUERBES AVE OUTREMONT QUE	PHYSIOTH 1 CR 6 9160
FELDMAN LEONARD 5450 ST LAWRENCE BLVD MONTREAL QUE	B ENG 2 CR 2 0944
FELDMAN MARIAN 50 BANSTEAD RD MONTREAL QUE	B A 2 HU 6 7391
FELDMAN MICHAEL ROBERT 601 CLARKE AVE MONTREAL QUE	B COM 2 WE 3 9006
FELDMAN NORMAN 470 HARRIS ST VILLE ST LAURENT QUE	B SC 4 RI 4 6387
FELDMAN PHILIP SEYMOUR 3420 PEEL ST MTL 1975 YPRES BLVD WINDSOR ONT	B A 3 AV 8 3791
FELDMAN WILLIAM 528 PRINCE ARTHUR ST APT 6 MONTREAL QUE	MD CM 2
FELDSTEIN MARVIN A 3650 LORNE CRES MTL 3705 COPLEY RD BALTIMORE 15 MARYLAND U S A	M SC 1 VI 5 9935
FELEDY JULIUS A 68 PRINCE ARTHUR W APT 18 MONTREAL QUE	B A 4 AV 8 8463
FELLER ROSALYN 40 MONTEE STE MARIE STE ANNE DE BELLEVUE 5890 DUROCHER AVE OUTREMONT QUE	3 TCHRS
FELLOWS EDWARD A 3265 GOYER ST APT 8 MONTREAL QUE	D D S 1 RE 8 7911
FELLOWS ROBERT ELLIS 3504 PARK AVE APT 1 MTL 302 HALTON RD SYRACUSE N Y U S A	MD CM 4 VI 2 7351

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FELS MORTON 4978 VICTORIA AVE SNOWDON QUE	B ENG CH 3 RE 1 0362
FELS SARAH 4978 VICTORIA AVE SNOWDON QUE	B A 1 RE 8 6283
FELTRIN JOHN GEORGE 6992 PAPINEAU MONTREAL QUE	B ENG CIV 5 RA 9 2067
FENG JAMES S F 1441 DRUMMOND ST MONTREAL QUE	L L M
FENYK ALEXANDRA 5451 15TH AVE MONTREAL 36 QUE	B A 2 RA 1 3180
FERBER EMMA 1355 DORCHESTER ST W MONTREAL QUE	B A 1 UN 6 9941
FERENCZY MARIA AGNES 3615 DECARIE BLVD APT 46 MONTREAL QUE	B SC 2 HU 1 5241
FERGUS PAMELA ELIZABETH 104 FIELDFARE AVE BEAUREPAIRE QUE	PHYSIOTH 3 OX 5 6972
FERGUSON DONALD STEWART 268 TRENTON AVE TOWN OF MT ROYAL QUE	B ENG 1
FERGUSON GEORGE PERCIVAL 2080 LINCOLN AVE APT 18A MONTREAL QUE	M SC 1 WE 3 8834
FERGUSON JOHN D MACDONALD COLLEGE R R 2 CORNWALL ONT	B SC AGR 3
FERGUSON RALPH G MACDONALD COLLEGE BAYHEAD COL CO N S	B SC AGR 4
FERGUSON RODERICK A 8156 DE L EPEE AVE MONTREAL 15 QUE	B SC 1 CR 2 6277
FERGUSSON JAMES RICHMOND DOUGLAS HALL HEMMINGFORD QUE QUE	B SC 1
FERNANDEZ BRITTO JOSE E 1441 DRUMMOND ST RM 1216 MTL ZAPOTES NO 211 SANTOS SVAREZ HAVANA CUBA	MD CM 1
FERNANDEZ CRUZ ORTELIO A 3484 PEEL ST MTL RANCHO BOYEROS GRANJA ESCUELA HAVANA CUBA	B ENG 1
FERNANDEZ JULIO E BOX 17 PILLANLELBUN CITY CHILE	AGR DIP 1
FERNANDEZ PARDO CARIDAD E 2039 MCGILL COLLEGE AVE APT 27 MTL CALLE 166 APT 42 VEDADO HAVANA CUBA	B A 1
FEROZ MUHAMMAD RASHID 1596 PINE AVE W APT 8 NAZ MANZIL BLOCK 3 H NAZIMABAD KARACHI PAKISTAN	M A 3 WE 5 0248
FERRIE DONALD JAMES 29 TUNSTALL AVE SENNEVILLE QUE	B SC 1
FERRIER DONALD CARR 630 CARLETON AVE WESTMOUNT QUE	B ENG MCH 5 HU 1 8600

NAME ADDRESS	COURSE & YEAR TEL. NO.
FIANDER WALTER H BRITTAIN HALL HARVEY RD P O ST JOHNS NFLD	B SC AGR 3
FICHMAN STEPHEN HARRY 832 STUART AVE OUTREMONT QUE	B SC 4 CR 1 2064
FIELD ORIAN L 5 GRIER AVE APT 3 STE ANNE DE BELLEVUE 6645 TERREBONNE AVE APT 4 MONTREAL QUE	2 TCHRS 1
FIELDING HENRY ANTHONY 456 PINE AVE W APT 2 MTL C O WESTERN UNION HORTA FAIAL AZORES	B ENG 2 VI 5 1557
FIELDMAN MICHAEL MENDEL 5181 COTE ST ANTOINE RD MONTREAL QUE	B SC 4 HU 4 9056
FIGUERES MAURICE C 158 ST CATHERINE ST W MONTREAL QUE	B SC 2 UN 6 4194
FILIPOWICH WALTER C 926 CALUMET PL MTL MANNING ALTA	B SC 2 WE 2 5494
FILOTAS BERNADETTE MARY 3355 MAPLEWOOD AVE APT 7 MONTREAL QUE	B A 1 RE 8 3221
FILOTAS MARY ANN 3355 MAPLEWOOD AVE APT 7 MONTREAL QUE	B A 2 RE 8 3221
FINCH JOHN DAVID 3434 MCTAVISH ST MTL 403 CAMPBELL AVE WINDSOR ONT	B ENG CIV 5 VI 2 4492
FINCHAM HERBERT IAN 112 D ALSACE ST PREVILLE QUE	B SC 2 OR 1 1847
FINDLAY MARILYN E MACDONALD COLLEGE 216 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B SC H EC 4
FINDLAY WILLIAM GALE BRITTAIN HALL 5608 WENTWORTH AVE COTE ST LUC QUE	P E DIP 1
FINK HOWARD RUSS 5037 PARK AVE MONTREAL QUE	M A 2 CR 2 0335
FINK PETER JOSEPH 300 SHERBROOKE ST W MTL 211 FLORENCE ST OTTAWA ONT	B ENG CH 5
FINK STANLEY 763 BLOOMFIELD AVE OUTREMONT QUE	B SC 4 CR 2 9001
FINKELSTEIN BUNNY RUTH 18 LEGAULT STE ANNE DE BELLEVUE 5010 POWELL AVE MONTREAL QUE	3 TCHRS
FINKELSTEIN HARVEY 7060 CHESTER AVE MONTREAL QUE	B SC 2 HU 8 2143
FINKELSTEIN JACK U 5980 PARK AVE APT 1 MONTREAL QUE	B SC 3 CR 7 2205
FINKELSTEIN LAURENCE 5255 BORDEN AVE MONTREAL QUE	B ENG COM 5 HU 8 6881
FINKELSTEIN MICHAEL F 794 LEXINGTON AVE WESTMOUNT 6 QUE	B SC 2 HU 6 2322
FINKLESTEIN JERRY 4947 GROSVENOR AVE MONTREAL QUE	B SC 4 RE 7 2950

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FINLAYSON JANET L STEWART HALL MACDONALD COLLEGE R R 5 ORMSTOWN QUE	B SC H EC 4
FINLAYSON WENDY ELIZABETH 1 KILBURN CRES MONTREAL 29 QUE	PHYSIOTH 4 HU 6 4146
FINN DOROTHY MAY 3459 DRUMMOND ST APT 2 1437 GLENHOLME AVE NIAGARA FALLS ONT	PHYSIOTH 4 VI 4 0653
FINN JOHN JOS 2061 MARLOWE AVE MTL BOX 53 EMERYVILLE ONT	B ENG CH 5
FINNEGAN MAUREEN PATRICIA 3590 RIDGEWOOD AVE APT 201 MONTREAL QUE	PHYSIOTH 3 RE 1 0991
FIRTH DAVID R 754 SHERBROOKE W APT 8 MONTREAL QUE	PH D 4 VI 5 3046
FISCHER ERNST MTL CHILDREN S HOSPITAL HINDENBURGSTRASSE 6 HAGEN WESTFALEN GERMANY	MED DIPL 3
FISCHER JANE E 260 ALLANCROFT RD BEACONSFIELD W QUE	B SC H EC 1 OX 5 3843
FISH ALFRED JOSEPH 4805 DRAPER AVE MONTREAL 29 QUE	MD CM 1 HU 4 1828
FISH CHARLES R 3515 DUROCHER ST APT 51 BOX 925 WHEATLAND WYO U S A	MD CM 2 AV 8 3016
FISH IRVING 2788 BEDFORD RD MONTREAL QUE	B SC 4 RE 3 7368
FISH MORRIS JACOB 6066 JEANNE MANCE ST MONTREAL QUE	B A 4 CR 2 8173
FISHER REGINALD 2057 MANSFIELD ST MONTREAL QUE	B SC 1
FISHER SELMA ROSALIND 3177 ST SULPICE RD MONTREAL QUE	B SC 1 WE 2 2668
FISHER SHERRILL KATHERINE 459 SECOND ST ST LAMBERT QUE	B A 2 OR 1 3683
FISHMAN JOSEPH 4783 MAPLEWOOD AVE MONTREAL QUE	PARTIAL RE 8 9545
FISHMAN MORRIS 6703 CHAREST RD MONTREAL QUE	B SC 3 HU 9 4836
FISK GEORGE EDWARD 7030 BIRNAM AVE MONTREAL 15 QUE	B SC 2 CR 9 0665
FISK JUDITH ELIZABETH STEWART HALL P O BOX 119 ABBOTSFORD QUE	2 TCHRS 1
FISKUS PAUL 4596 HUTCHISON ST APT 3 MONTREAL QUE	B ENG PHY 3 CR 7 8109
FITZGIBBON GEORGE R 278 WALNUT AVE ST LAMBERT QUE	B ENG 1 OR 1 2907
FITZPATRICK HARRIET JEAN 2980 KIRKFIELD AVE MONTREAL 16 QUE	H S D DIP RE 7 5550
FITZSIMONS PATRICIA GAIL 4610 WESTMORE AVE MONTREAL QUE	B SC 1 HU 1 3060
FLAM CHARLES EDWARD 495 PRINCE ARTHUR ST W APT 18 MTL P O BOX 340 CHANDLER QUE	B SC 1 VI 4 7684
FLAM DAVID JON 495 PRINCE ARTHUR ST W APT 18 MTL P O BOX 340 CHANDLER QUE	B SC 1 VI 4 7684
FLANZ ALLAN ROBERT 761 STUART AVE MONTREAL QUE	B ENG 1 CR 9 6983
FLANZ LEONARD WALTER 4101 KENT AVE MONTREAL QUE	B A 2 RE 9 1457
FLAVELLE EDITH M 3225 RIDGEWOOD AVE APT 406 MTL 53 ALBERT ST N LINDSAY ONT	B N 1 RE 8 9920
FLAX NORMAN 4825 COTE ST CATHERINE MONTREAL QUE	M S W 1 RE 3 8649
FLEETWOOD WILSON ANTHONY 3065 CEDAR AVE MTL THE OWLS CHARLTON HORETHORNE SHEBORNE DORSET ENGLAND	B SC 2 WE 3 9283
FLEMING ISRAEL D 581 GROSVENOR AVE WESTMOUNT QUE	B C L 2 HU 1 2100
FLEMING STEPHEN CECIL 581 GROSVENOR AVE WESTMOUNT QUE	B A 4 HU 1 2100
FLEMING WILLIAM BARR 605 45TH AVE LACHINE QUE	PARTIAL ME 7 3433
FLETCHER BARRY DAVIS 3466 MCTAVISH ST MTL 141 KETTERIDGE AVE STRATHROY ONT	MD CM 2 AV 8 9533
FLETCHER JOHN GARDINER 3482 MCTAVISH ST MTL CARDINAL ONT	B COM 3
FLETCHER PATRICIA ANN 55 VINET AVE DORVAL QUE	B SC N 1 ME 1 1926
FLETCHER RONALD GENE 271 B PINE BEACH BLVD DORVAL QUE	D D S 2
FLIGEL LAWRENCE L 4865 COTE ST CATHERINE APT 6 MONTREAL QUE	B C L 1 RE 3 0483
FLIS CASIMIR CHESTER 3431 DRUMMOND ST MTL SMOOTH ROCK FALLS ONT	B ENG CIV 5 VI 9 0243
FLOOD TRYPHENA M STEWART HALL MACDONALD COLLEGE CLARK HILL P O BOX 429 WATERLOO QUE	B SC H EC 2
FLORAKAS MARY 1900 VAN HORNE AVE MONTREAL QUE	B COM 3 RE 7 1234
FLOYD HERBERT A 3609 UNIVERSITY ST MONTREAL 2 QUE	PH D 1 AV 8 6307
FLYNN BARRY N C 135 46TH AVE LACHINE QUE	B ENG 1 ME 7 5273
FOGEL RONA 51 PERRAULT STE ANNE DE BELLEVUE 4695 MAPLEWOOD AVE MONTREAL QUE	2 TCHRS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FOGLE FRANCES LORRAINE 7 WINCHESTER AVE WESTMOUNT QUE	B A 4 HU 1 3940
FOGWILL EUGENIE M 43 PERRAULT AVE STE ANNE DE BELLEVUE MILLERTOWN NEWFOUNDLAND	HDICRAFTS 1
FOISY ROBERT 40 GLENCOE OUTREMONT 8 QUE	B ENG EL 3 RE 7 5244
FOK EDMUND YAT HIM 3484 SHUTER ST APT 10 72 KENNEDY RD HONG KONG	B SC 4 VI 4 9888
FOLDAUER SALOMON H 3225 RIDGEWOOD AVE APT 107 MONTREAL QUE	D D S 4 RE 7 4024
FOLKES ANTHONY PETER 4333 HARVARD AVE MONTREAL 28 QUE	B ENG MCH 3 HU 9 3120
FONG CHONG JOHN ROLAND 3484 PEEL ST MTL 86 PELHAM ST BELMONT PORT OF SPAIN TRINIDAD T W I	D D S 3 VI 4 5922
FONG ROBERT 3522 ST FAMILLE ST MTL 156 8TH ST NORANDA QUE	B ENG EL 4 VI 5 5862
FONSECA PEDRO WILSON HALL 37 CALLE ORIENTE Y LIAV NORTE APT 216 SAN SALVADOR CENTRAL AMERICA	B ENG 1
FOOTE DON CHARLES 539 PINE AVE MTL BRIDGEWATER N H USA	M A 2
FOOTE JOHN W 1404 ST CLARE RD TOWN OF MT ROYAL QUE	MD CM 1 RE 1 5625
FORBES MARGARET LOUISE ROYAL VICTORIA COLLEGE 28 MATHESON AVE EDMUNDSTON N B	B SC 1 VI 2 0597
FORBES VIVIENNE MARY 4841 WESTHILL AVE MONTREAL QUE	PARTIAL HU 8 3789
FORD MARY H A 12020 OBRIEN BLVD MONTREAL 9 QUE	PARTIAL RI 7 2814
FORD PATRICIA LYNNE ROYAL VICTORIA COLLEGE 116 HAWTHORNE DR BAIE D URFEE QUE	B SC 1 VI 2 0829
FORDE JAMES JOSEPH 3685 ONTARIO AVE MONTREAL QUE	M SC 2
FORDE JOHN M 3327 APPLETON AVE MONTREAL QUE	M ENG 1 RE 3 1758
FORDHAM JUNE LEOLA STEWART HALL BROOKLINE QUE	B ED 1
FOREMAN DAVID J MACDONALD COLLEGE CALUMET QUE	B SC AGR 3
FORESTER HAROLD 965 BERTRAND ST VILLE ST LAURENT QUE	B ENG 2 RI 4 5324
FORRESTER ELIZABETH MACDONALD COLLEGE P O BOX 9 ORMSTOWN QUE	B SC H EC 2
FORRESTER MAUREEN A C 6523 14TH AVE MONTREAL 36 QUE	B N 1 RA 2 6679
FORROW WILLIAM JOSEPH 7691 MOLSON AVE VILLE ST MICHELE QUE	B ENG CH 4 RA 7 5956
FORTE RONALD F 10101 ST URBAIN ST MONTREAL 12 QUE	B ENG CIV 4 DU 8 6370
FORTIER ANDRE MICHEL 440 MT STEPHEN AVE APT 9 WESTMOUNT QUE	B SC 2 WE 7 2645
FORTIN CHARLES JOHN 20 ST LOUIS ST ST JOHNS QUE	B ENG EL 4
FORTIN YVON MAURICE 300 SHERBROOKE ST W APT 1 MONTREAL QUE	B ENG 2
FORTUINE ROBERT ALAN 1502 MACKAY ST APT 3 SURRY MAINE U S A	MD CM 3 WE 3 5848
FORUSZ HARRIS NEPORENT 3841 ST KEVIN ST APT 7 MONTREAL QUE	B ENG 2 RE 9 1446
FOSTER DEIRDRE 3537 UNIVERSITY ST MTL TOBURN PROPERTY KIRKLAND LAKE ONT	PHYSIOTH 4 VI 9 8447
FOSTER EDWIN A 3745 DUPUIS AVE APT 16 MONTREAL QUE	B C L 1 RE 9 1338
FOTI ALEXANDER SANDOR 2660 GOYER ST APT 17 MONTREAL QUE	M A 1 RE 9 0477
FOULKES PHILIP BECK 520 LANSDOWNE AVE WSTMT 100 LISGAR RD OTTAWA ONT	B ENG MET 5 WE 7 2033
FOULKS EDWARD F 548 PRINCE ARTHUR ST W 15471 GLENWOOD DETROIT 5 MICHIGAN USA	MD CM 1 VI 2 0877
FOURNIER EDWARD M 9001 JEANNE MANCE ST MONTREAL QUE	B ENG 1 DU 1 5092
FOURNIER JEAN 4398 CARTIER STE SOPHIE DE NICOLET QUE	B ENG MCH 4
FOURNIER JOSEPH B R 3562 HUTCHISON ST MTL 10 DE LA GROTTE MONT JOLI QUE	PARTIAL AV 8 0055
FOURNIER JOSEPH GUY ROGER 5973 LOUIS HEMON ST MONTREAL 36 QUE	B SC 2 RA 1 7787
FOWLER GEORGE GIBB 131 CLANDEBOYE AVE MONTREAL 6 QUE	H S D DIP WE 3 4805
FOWLER JANETTE PAULINE ROYAL VICTORIA COLLEGE R R 1 CHAMBLY RD MONTEE SABOURIN ST HUBERT CO CHAMBLY QUE	B A 4 VI 2 0526
FOX ABRAHAM 5218 PONSARD AVE MONTREAL 28 QUE	B SC AGR 1 HU 6 5686
FOX FREDERICK GEORGE R 67 BALLANTYNE AVE N MONTREAL WEST QUE	B A 1 HU 6 7826
FOX GEORGE JAMES 2151 LINCOLN AVE APT 22 404 WEST 22ND AVE VANCOUVER 10 B C	B SC 3 WE 2 5481
FOX GEORGE L 520 PIE IX BLVD MONTREAL QUE	B ENG PWR 5 LA 3 6205

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FOX JOHN DODGE 2186 ST CATHERINE ST W APT 10 MONTREAL QUE	B SC 2
FOX MARYLEA B STEWART HALL MACDONALD COLLEGE 50 BRIDGE ST WEST BELLEVILLE ONT	B SC H EC 4
FOX NELSON BARRIE 940 ST AUBIN VILLE ST LAURENT QUE	2 TCHRS RI 7 4414
FOX ROBERT 592 BERWICK AVE TOWN OF MT ROYAL QUE	B ENG CH 3 RE 8 5024
FOX ROGER NEWTON 67 BALLANTYNE AVE N MONTREAL WEST QUE	B COM 4 HU 6 7826
FOXALL PETER RUSSELL 5021 SHERBROOKE ST W WESTMOUNT QUE	PH D 1 HU 6 9735
FOZO FRIGYES 624 PRINCE ARTHUR ST W MONTREAL QUE	B COM 4
FRAGATOS PETER 672 GRAHAM BLVD TOWN OF MT ROYAL QUE	B SC 2 RE 3 3111
FRAIBERG WILLIAM 4869 DORNAL AVE MONTREAL 26 QUE	B A 1 RE 8 5635
FRAID DIANA 716 MCEACHRAN AVE OUTREMONT QUE	3 TCHRS CR 9 2804
FRAID DIANE D 4835 JEAN BRILLANT AVE MONTREAL QUE	B A 2 RE 3 7766
FRANCIS GEORGE REID 316 STRATHEARN AVE MTL 382 HILLSDALE AVE E TORONTO 7 ONT	B A 3 HU 6 1212
FRANCIS TATLIN M 45 MONTEE STE MARIE STE ANNE DE BELLEVUE QUE	B SC H EC 1
FRANCO WINSTON ALBERT 3550 SHUTER ST APT 1 MTL 106 NILES ST POINT FORTIN TRINIDAD B W I	B SC 4
FRANI FRANK LOUIS 4255 DUPUIS AVE MTL 33 1 2 DUBLIN ST OSWEGO N Y U S A	D D S 4 RE 7 6812
FRANK BARRY 750 DAVAAR AVE MONTREAL QUE	B SC 2 CR 9 8214
FRANKEL HERSHIE 635 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B C L 3 RE 7 9519
FRANKLIN DAVID ROBERT 504 ROSLYN AVE WESTMOUNT QUE	B C L 3 WE 7 2676
FRANKLIN LEROY 1163 LLOYD GEORGE AVE VERDUN QUE	MD CM 1 PO 9 5155
FRANKLIN MERVYN 456 PINE AVE APT 29 MONTREAL QUE	PH D 3 VI 5 0581
FRANKLYN CONRAD EWART 3515 JEANNE MANCE ST MTL 44 TENTH AVE BARATHRIA TRINIDAD W I	B A 2
FRAPPIER GILLES JOSEPH C 4674 ALEXANDER AVE STE GENEVIEVE QUE	PARTIAL
FRASER ALISTAR A D 421 SANFORD AVE ST LAMBERT QUE	B ENG 2
FRASER DAVID BRUCE 1060 DUNRAVEN RD MONTREAL 16 QUE	B SC 4 RE 8 5572
FRASER DEREK G 29 BARAT RD WESTMOUNT QUE	B A 2 WE 5 5873
FRASER ELSPETH ISABELLA 6567 STARNES ST MONTREAL 28 QUE	B ED 2 HU 4 9067
FRASER JEAN M STEWART HALL 41 ALEXANDRA AVE BRIDGEWATER NOVA SCOTIA	B SC H EC 3
FRASER JOAN MARY 53 ARLINGTON AVE WESTMOUNT QUE	PARTIAL
FRASER KENNETH LYNN 3814 OLD ORCHARD AVE MTL P O 193 SHAWINIGAN QUE	B ENG EL 3 HU 6 5867
FRASER MARILYNLUNDY E ROYAL VICTORIA COLLEGE GRAND FALLS NEW BRUNSWICK	PHYSIOTH 2 VI 2 0113
FRASER WILLIAM M 4790 COTE DES NEIGES MTL 2 AVON ST CAMBRIDGE MASS USA	D D S 1
FREDDI SYLVIA E 259 METCALFE AVE WESTMOUNT QUE	M A 2 WE 3 4014
FREDERICK ANDREW ROBERT 7346 DE NORMANVILLE ST MONTREAL QUE	B A 3 CR 2 6170
FREEDMAN ARTHUR NEWMAN 2720 DARLINGTON PL APT 31 MONTREAL QUE	MED DIPL 3 RE 8 8309
FREEDMAN GARY 5575 CLANRANALD AVE MONTREAL QUE	B SC 1 RE 1 6763
FREEDMAN HARVEY JOHN 4637 KENT AVE MONTREAL QUE	B SC 3 RE 3 6798
FREEDMAN HYMIE 271 DUFFERIN RD HAMPSTEAD QUE	B SC 2 HU 8 8644
FREEDMAN SANDRA JUDITH 6185 WILDERTON CRES MONTREAL QUE	B SC 3 RE 8 1622
FREEDMAN SUSAN FRANCES 112 SUNNYSIDE AVE WESTMOUNT QUE	B A 1 HU 1 9760
FREEDMAN VIVIAN 6608 NICE RD COTE ST LUC QUE	B SC 3 HU 4 6002
FREEDMAN YEHUDI 4782 COTE ST CATHERINE MONTREAL QUE	B ENG 2 RE 3 6022
FREEMAN DAVID IAN 2064 MANSFIELD ST MTL CENTRAL EXPT STN CENTENO ARIMA P O TRINIDAD T W I	B SC 1 VI 9 0558
FREEMAN DONALD HENRY 3092 GOYER ST APT 2 MONTREAL QUE	MD CM 4 RE 7 6714
FREEMAN GERALD BORDEN 3070 VAN HORNE AVE APT 3 MONTREAL QUE	B C L 2 RE 7 7881
FREEMAN JAMES HEDGES P O BOX 10 MACDONALD COLLEGE 94 SUMMER ST KINGSTON MASS U S A	MD CM 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FREEMAN MILTON M R ZOOLOGY DEPT 34 MANOR HOUSE DR LONDON N W 6 ENGLAND	M SC 1
FREEMAN STANLEY 3025 SHERBROOKE ST W MTL 2198 CRUGER AVE BROUX 62 N Y U S A	D D S 2
FREI FRANCES 4500 POWELL AVE MONTREAL QUE	PARTIAL RE 3 3559
FREIMAN MARGO ROYAL VICTORIA COLLEGE 250 SYLVAN RD ROCKCLIFFE OTTAWA ONT	B A 3
FRENCH MICHAEL DAVID 51 CLAUDE AVE DORVAL QUE	B ENG MCH 5 ME 1 1202
FRENKEL AYALA S 4701 DORNAL AVE MONTREAL QUE	B N 1 RE 3 0061
FRENKEL ODED J 3563 SHUTER ST MONTREAL QUE	B SC 4 AV 8 7726
FRENKEL VERA 3563 SHUTER ST MONTREAL QUE	B A 4 AV 8 7726
FREY BETTY 7181 OUIMET ST VERDUN QUE	M A 2 PO 8 6620
FREYMAN ANDREW JACK 631 MILTON ST APT 5 MTL P O BOX 69 BRYONSTON VIA JOHANNESBURG SOUTH AFRICA	M SC 1 VI 2 0121
FRIED ALLAN HARVEY 5710 LEGER AVE COTE ST LUC QUE	B SC 3 HU 8 3362
FRIEDBERG HERBERT A 2320 GOYER ST MONTREAL QUE	B ENG 1 RE 3 3308
FRIEDLAND GARY ALAN 3420 PEEL ST MTL KENILWORTH RD RYE NEW YORK U S A	B ENG 2
FRIEDMAN MONA CLAIRE 316 DUFFERIN RD HAMPSTEAD QUE	B A 4 HU 8 4100
FRIEDMAN NORMAN 4952 PLAMONDON AVE MONTREAL 21 QUE	B COM 2 RE 3 5464
FRIEDMAN SEYMOUR RONALD 4640 LACOMBE AVE MONTREAL QUE	B ENG PHY 3 RE 7 5303
FRIEDMAN SOLOMON 1125 BERNARD AVE WEST APT 6 MONTREAL QUE	B SC 4 CR 1 1024
FRIEND DOUGLAS W BOX 153 MACDONALD COLLEGE QUE	PH I 2
FRISMANIS INTA 5140 KING EDWARD AVE MONTREAL 29 QUE	B SC 2 HU 9 2923
FRITZ CAROLE M MACDONALD COLLEGE P O 601 STANSTEAD AVE MONTREAL 16 QUE	B SC H EC 1
FRITZ HOWARD MILES 601 STANSTEAD AVE MONTREAL 16 QUE	B ENG 2 RE 7 4742
FRIZZELL THOMAS FRANK 475 CRESCENT ST ST LAMBERT QUE	B SC 2 OR 1 1389
FRIZZLE PATRICIA L 3300 RIDGEWOOD AVE MTL R R 1 BROME QUE	3 TCHRS RE 8 1679
FRODYMA STANLEY HENRY 3484 DUROCHER ST MTL 88 HIGH ST HOLYOKE MASS	D D S 3 VI 9 3397
FROESE ARNOLD 29 PROSPECT ST WSTMT 797 QUEEN S AVE LONDON ONT	PH D 2 WE 2 5330
FROHBERG HERBERT JOBST 1547 MCGREGOR ST MTL 272 BYRON AVE OTTAWA ONT	B SC 3
FROSST ALAN CHESTER 111 SUMMIT CIRCLE MONTREAL 6 QUE	B SC 3 HU 6 7581
FRY EDMUND A 20389 LAKESHORE RD BAIE D URFEE QUE	B SC AGR 1
FRYER JOHN RAYMOND 9200 15TH AVE VILLE ST MICHEL QUE	B SC 3 RA 9 0692
FRYER SUE E 3516 LORNE CRES ST APT 2 MTL CHANTILLY VIRGINIA USA	M S W 1 VI 5 5606
FRYSHMAN BERNARD 5348 COOLBROOK AVE MONTREAL QUE	B SC 4 HU 4 1233
FULCHER JESSIE MORRISON 19 CAMPBELL AVE MONTREAL WEST QUE	B SC 2 HU 6 3488
FULFORD ARTHUR H BRITTAIN HALL MACDONALD COLLEGE 230 BEDFORD AVE ST LAMBERT QUE	B SC AGR 4
FULLER IAN 4568 MELROSE AVE MONTREAL QUE	B ENG 2 HU 6 6817
FULLERTON EDWARD FRASER 473 STRATHCONA AVE WESTMOUNT QUE	B ENG CH 5 WE 2 3595
FULTON EVERTS W DOUGLAS HALL 57 W BURTON PL CHICAGO 10 ILL U S A	B A 1
FULTON WALLACE MICHAEL 575 GREEN ST ST LAMBERT QUE	B SC 4 OR 1 8982
FUNG CHING 3567 SHUTER ST APT 4 MTL 11 TIN LOK LANE 3RD FLR HONG KONG	B ENG CIV 3
FUNG FRANKLIN KAI KEI 3534 JEANNE MANCE ST MTL 51 BLUE POOL RD GR FL HONG KONG	B SC 2 AV 8 8487
FUNG ON YIN 3477A HUTCHISON ST MTL 172 WELLINGTON ST HONG KONG	B ENG CIV 5
FUNG ROBERT HING PIU 3825 DUPUIS AVE APT 19 14 SOUTH BAY RD HONG KONG	MD CM 3 RE 8 3033
FUNKE LY ANNE A 474 PRINCE ARTHUR ST W HIGH ST MORRISBURG ONT	B L S 1 VI 2 1929
FURST HAROLD MICHAEL 481 PRINCE ARTHUR ST W SEIGNIORY CLUB QUE	B COM 4 AV 8 7773

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FYFE HARRY 5051 GROSVENOR AVE MONTREAL QUE	MED DIPL 3 RE 8 2564

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GABELIER GERMAINE F 69 ST JACQUES ST MTL R C A F ST JOHN S QUE	M A 1
GABOR ERWIN PETER 1437 CHOMEDEY ST APT 3 MONTREAL QUE	MD CM 4 WE 2 1754
GAETZ ELINOR L ROYAL VICTORIA COLLEGE BOX 416 COPPER CLIFF ONT	B A 1 VI 9 0030
GAGNAN DOMINIQUE 3795 VAN HORNE MONTREAL QUE	B ENG 2 RE 7 6163
GAGNE LEONARD LEO 3541 SHUTER ST MTL 151 CYR ST WEST THETFORD MINES QUE	B ENG CIV 3 VI 2 0892
GAGNON JACQUES H CAP CHAT CO GASPE QUE	B C L 4
GAGNON JEAN J 3200 ST CATHERINE RD MTL 236 CHAMPLAIN ST ST JEAN QUE	M C L 4 RE 8 1165
GAHERTY GEOFFREY G 636 SYDENHAM AVE WESTMOUNT QUE	B SC 1 HU 4 2402
GAILIS LAIMONIS 503 86TH AVE L ABORD A PLOUFFE QUE	B SC 2 MU 1 7788
GAL OTTO 4660 DUPUIS AVE APT 6 MONTREAL QUE	B ENG COM 5 RE 3 8733
GALARNEAU JOHN ROBERT 6217 LA SALLE BLVD VERDUN QUE	B ENG MCH 4 PO 7 0609
GALBRAITH CAROLYN M 555 SHERBROOKE ST MTL 24 KINGSWAY CRES TORONTO ONT	B A 1 VI 2 0820
GALBRAITH JOHN ALEXANDER 2072 ST GERMAIN BLVD VILLE ST LAURENT QUE	PH D 5 RI 4 5074
GOLDMAN SUSAN K 5822 WESTLUKE AVE COTE ST LUC QUE	B SC 1 HU 6 9024
GALIPEAULT ANDRE 823 KENILWORTH TOWN OF MT ROYAL QUE	B C L 3 RE 7 0576
GALL HUGH W 4696 GROSVENOR AVE MONTREAL QUE	B ENG 1 HU 8 3180
GALL ROBERT JOHNSTON 3405 GRAND BLVD MONTREAL QUE	B SC 4 HU 4 0623
GALLAGHER THOMAS J 475 PINE AVE W MTL 229 BELMONT AVE HAMILTON ONT	M S W 1 VI 4 4270
GALLAND FRANCES 55 BELAVIGNE RD WESTMOUNT QUE	B A 3 WE 3 9618
GALLAY HENRY MORTON 3515 VAN HORNE AVE APT 6 MONTREAL QUE	B A 3 RE 3 1014
GALLAY RALPH DOUGLAS HALL 490 CLOVERDALE RD ROCKCLIFFE PARK OTTAWA 2 ONT	B ENG 2 AV 8 1854
GALLO ERNEST A 300 SHERBROOKE ST W MTL R R 1 NIAGARA BLVD FORT ERIE ONT	B ENG 1 VI 2 0590
GALLOWAY DONALD JAMES 485 VICTORIA AVE WESTMOUNT QUE	B ENG CIV 3 WE 2 3770
GALLOWAY JOHN HERBERT 485 VICTORIA AVE WESTMOUNT QUE	B A 3 WE 2 3770
GALLUP JENNIFER J 7355 CARTIER ST MONTREAL 35 QUE	B A 1 RA 8 4795
GAMBLE RONALD W BRITTAIN HALL 250 GRAHAM BLVD STRATHMORE QUE	B SC AGR 1
GAMELE WILLARD SELDEN 2177 LINCOLN AVE APT 11 MONTREAL QUE	MD CM 4 WE 2 6010
GAMEROFF MYRNA IRIS 4910 MIRA RD MONTREAL 28 QUE	H S D DIP HU 4 3434
GAMEROFF PEARL 3295 RIDGEWOOD AVE APT 31 MONTREAL QUE	B A 4 RE 1 0289
GAMEROFF ROSALIND B 4910 MIRA RD MONTREAL 28 QUE	PHYSIOTH 1 HU 4 3434
GAMEROFF SANDRA SORREL 736 WILDER AVE MONTREAL QUE	B A 3 RE 8 1577
GAMUS ABRAHAM 2720 DARLINGTON PLACE APT 34 MONTREAL QUE	B ENG EL 4 RE 7 9079
GANDARA WALTER ROBERT 1947 ST LUC ST APT 3 MTL 2 CALLE 2 04 ZONE 1 GUATEMALA CITY CENTRAL AMERICA	B COM 1 WE 2 7905
GANDHI SUNIL K DEPT OF GEOLOGICAL SCI PURUSHOTTUM BLDG NO 48 TRIBHUHAN RD BOMBAY 4 INDIA	M SC 1
GANG NICHOLAS FRANK 3410 BEDFORD AVE MONTREAL QUE	MD CM 3 RE 1 5936
GARAND LOUISE 80 PINE AVE W APT 310 MONTREAL QUE	M S W 2 AV 8 9619
GARBARY ANTHONY MICHAEL 263 HAWTHORNE AVE LONGUEUIL QUE	M ENG 1 OR 4 3287
GARBER SEYMOUR STANLEY 4249 ESPLANADE AVE MONTREAL QUE	B C L 4 VI 4 1257
GARCIA CARLOTTA 502 GROSVENOR AVE WESTMOUNT QUE	B A 4 HU 8 8481
GARCIA OLGA 502 GROSVENOR AVE WESTMOUNT QUE	M SC 1 HU 8 8481
GARDINER HARRY MANDER 417 PRINCE ARTHUR ST W P O BOX 238 BROWNSBURG QUE	B ENG MCH 5 VI 9 9038
GARDNER JOHN ROBERT 313 GROSVENOR AVE MONTREAL 6 QUE	B ED 4 WE 7 1098

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GARDNER ROBERT 96 GILMOUR AVE CHATEAUGUAY HEIGHTS QUE	PARTIAL
GARDNER ROBERT CHARLES 3684 MCTAVISH ST MTL 11522 128ST AVE EDMONTON ALTA	PH D 2
GARELICK TEENA TOBA 6251 WESTBURY AVE MONTREAL QUE	B A 2 RE 3 3901
GARELLEK ABRAHAM LEON 715 DE L EPEE AVE OUTREMONT QUE	D D S 2
GARFINKLE HARRY 6086 HUTCHISON ST OUTREMONT QUE	B ENG COM 5 CR 2 9269
GARFINKLE SAM B 4965 COTE ST CATHERINE R APT 1 MONTREAL QUE	B ENG COM 5 RE 9 1689
GARFINKLE SUSAN ANN 1 DOUGLAS AVE WESTMOUNT QUE	B A 3 HU 4 1030
GARGANO JOHN 753 6TH AVE LACHINE QUE	B SC 1
GARIEPY RENAULT 760 DAVAAR AVE OUTREMONT QUE	B ENG 1 CR 7 6842
GARLAND STEPHEN TERRENCE DOJGLAS HALL 410 RAMSAY LAKE RD SUDBURY ONT	B COM 3 VI 4 0977
GARMAISE MICHAEL LYON 5040 WILDERTON AVE MONTREAL QUE	B A 3 RE 8 3605
GARMAISE TANYA REVA 21 MAPLE AVE STE ANNE DE BELLEVUE 14 6TH STREET NORANDA QUE	H S D DIP
GARNER GRAHAM DAVID 583 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B A 3 RE 7 6313
GARRAWAY MICHAEL O BRITTAIN HALL MACDONALD COLLEGE CHARLOTTE VALLEY DOMINICA B W I	B SC AGR 4
GARRETT JAMES GORDON 2392 LOCKHART AVE TOWN OF MT ROYAL QUE	B ENG EL 3 RE 9 0209
GARRISON ROSS ALLEN 5285 WALKLEY AVE MTL 588 BRAID ST PENTICTON B C	PH D 3 HU 9 7366
GARVEY JULIUS WINSTON 3528 LORNE AVE MONTREAL QUE	MD CM 2 VI 5 9355
GARVIS ARTHUR 4461 ESPLANADE AVE MONTREAL QUE	B C L 3 VI 2 7364
GASOI LOUELLA 5421 DUROCHER AVE MONTREAL QUE	B SC 1 CR 1 6056
GASSER HEINZ MACDONALD COLLEGE PIKE RIVER MISSISQUOI QUE	B SC AGR 4
GAST LOUIS F 52 SOESTDYKERST HILVERSUM NETHERLANDS	MED DIPL 4
GATEHOUSE BARBARA MARY G 15 CHURCH HILL WESTMOUNT QUE	B SC 2 WE 2 0795
GATEHOUSE GLORIA ANN 3900 RIDGEWOOD AVE APT 22 MONTREAL QUE	B SC N 2 RE 7 1855
GATES ROBERT B 570 MILTON ST MTL 238 GANO ST PROVIDENCE 6 R I USA	B L S 1
GAUDET AURELE J MACDONALD COLLEGE ST JOSEPH WEST CO N B	B SC AGR 4
GAUDREAULT RICHARD 258 SHERBROOKE ST W MONTREAL QUE	B ARCH 3 VI 9 0714
GAULT MATHEW HENRY 492 LANSDOWNE AVE WESTMOUNT QUE	MED DIPL 3 WE 7 8211
GAUM WINSTON ELLIOT 3851 UNIVERSITY ST MTL 18 HOWE ST SYDNEY N S	B SC 2
GAUNCE ALAN P 58 ST ANDREW AVE BEAUREPAIRE QUE	B SC AGR 1 OX 5 5943
GAUTHIER FRANCOIS 10739 GRANDE ALLEE MONTREAL QUE	B COM 3 DU 8 1410
GAUTHIER HELENE GERALDA S 148 LEMOYNE LONGUEUIL QUE	PHYSIOTH 3 OR 4 8268
GAUTHIER JACQUES 1700 SHERBROOKE ST E APT 18 MTL 82 ST CHRISTOPHE ST MATANE QUE	B ENG EL 4 LA 1 4729
GAUTIER GERARD L G 8532 BD ST MICHEL VILLE ST MICHEL QUE	B A 3 RA 8 9511
GAUZE JOSEPH 4747 CARLTON AVE MONTREAL QUE	B A 3 RE 3 4506
GAVIN MARGARET J 264 34TH AVE LACHINE QUE	B SC 1 ME 7 7389
GAVSIE PHYLLIS LEE 5087 VICTORIA AVE MONTREAL QUE	B A 3 RE 2 6360
GAWNE ROGER EDEN 3430 UPPER DRUMMOND ST WHITELODGE PITTSBAY RD PEMBROKE BERMUDA	B COM 1 VI 2 0789
GAY EDNA JEAN STEWART HALL BOX 536 BUCKINGHAM QUE	3 TCHRS
GAYDAMACK GERALD THOMAS 4565 QUEEN MARY RD MONTREAL QUE	L L M 1 RE 8 9481
GAYOL AMADO 1441 DRUMMOND ST MTL 100 SOLIS SAGUA AL GRANDE CUBA	B COM 1
GAZDAG JENO 3490 HUTCHISON ST APT 6 MONTREAL QUE	B ENG COM 5
GEBA IGOR W 895 SHERBROOKE ST LACHINE QUE	B ENG CIV 5 ME 7 7387
GEDALOD JUDY 1 GARDEN CITY STE ANNE DE BELLEVUE 5363 WESTBURY AVE MONTREAL QUE	3 TCHRS
GEDDES NOELA SUSAN STEWART HALL 6 PARK PL APT 15 WESTMOUNT QUE	2 TCHRS 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GEE HARTLAND WARREN 5552 QUEEN MARY RD COTE ST LUC QUE	B SC 4
GEFFIN SHEILA P 51 PERREAULT STE ANNE DE BELLEVUE 5154 WESTBURY AVE MONTREAL QUE	2 TCHRS
GEHER LESLIE 6725 COTE ST LUC RD APT 1 MONTREAL QUE	M SC 1 HU 9 3067
GELBART ARNOLD 403 ST JOSEPH BLVD WEST OUTREMONT QUE	B ENG 2 CR 2 4769
GELBER HERMAN 8572 BIRNAM ST MONTREAL 15 QUE	MD CM 3 CR 2 7192
GELBERT ANNETTE A 3365 GOYER AVE APT 9 MONTREAL QUE	B SC 4 RE 1 1958
GELFAND BRAHM MARVIN 4422 MARCIL MONTREAL QUE	B C L 2 HU 1 1485
GELFAND ERWIN W 6607 FLEET RD COTE ST LUC QUE	B SC 1 HU 4 8377
GELINAS LEO PAUL 3535 SHUTER ST MTL 175 2ND ST SHAWINIGAN QUE	B ENG 2 VI 4 0841
GEMMELL THELMA ANN MACDONALD COLLEGE HATLEY QUE	2 TCHRS 1
GEMMELL THOMAS 3485 MCTAVISH ST MTL 48 VIMY AVE EAST CORNWALL ONT	B A 3 VI 4 0724
GENDRON BERTRAND J O 10457 ESPLANADE AVE MONTREAL QUE	B ENG 2 DU 1 1016
GENENDER LAWRENCE J 4 KELVIN AVE OUTREMONT QUE	MD CM 4 RE 8 2731
GENEREUX GEORGE DOUGLAS HALL 315 POPLAR CRES SASKATOON SASK	MD CM 3
GENSER DAVID E DOUGLAS HALL 280 HARVARD AVE WINNIPEG 9 MANITOBA	B A 1
GENTLEMAN LORNA I R STEWART HALL 8021 UPPER LACHINE RD MONTREAL WEST QUE	B ED 2
GENTLES COLIN V BOX 83 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	AGR DIP 2
GEORGE MARY AUDREY 468 MOUNT STEPHEN AVE WESTMOUNT QUE	B A 3 WE 7 2257
GEORGIADES JOHN 4368 FULLUM ST MONTREAL QUE	B A 2 LA 2 3435
GERGELY PETER 3610 DUROCHER ST APT 12 5882 DOLBEAU MONTREAL QUE	B ENG AM 4 VI 4 7620
GERHARDT ALEIDA 266 LANSDOWNE AVE APT 13 MTL P O BOX 199 CURACAO N A	M S W 2 WE 7 3077
GERSOVITZ DIANA LEE 5015 GLENCAIRN RD MONTREAL QUE	B SC 3 HU 4 5055
GERSOVITZ MYRNA B 5015 GLENCAIRN RD SNOWDON QUE	B ENG 1 HU 4 5055
GERTEL MORRIS 2960 BRIGHTON AVE APT 7 MONTREAL QUE	B SC 4 RE 3 8848
GERTIN TEDDY 5477 HUTCHISON ST MONTREAL QUE	B ENG COM 5 CR 4 6994
GERTSMAN STEPHEN T 946 DUNLOP AVE OUTREMONT QUE	B ENG 1 RE 3 3493
GERVAIS ANDRE 3466 SHUTER ST MTL PAUL COTE LAC BEAUPORT QUE	M C L 4
GERVAIS LAURENT 5880 COTE ST ANTOINE APT 12 MONTREAL QUE	MED DIPL 2 HU 1 8093
GERVAN SUZANNE JEAN 7350 CHURCHILL RD TOWN OF MT ROYAL QUE	B SC 1 RE 1 6187
GEWURZ SAMUEL 536 DUNLOP AVE MONTREAL QUE	B A 2 RE 3 2993
GHANY FAROUK 1001 SHERBROOKE ST W MTL 10A HOBSON ST SAN FERNANDO TRINIDAD B W I	B SC 4 VI 4 2122
GHERT BERNARD IRVIN DOUGLAS HALL 2016 5TH AVE SOUTH LETHBRIDGE ALTA	B SC 3
GHILCIG TOBIOS 1335 DUCHARME AVE OUTREMONT QUE	B ENG PHY 3 CR 1 4181
GIACOMELLI JULIAN FRANK WILSON HALL CAMP HILL SOUTHAMPTON EAST BERMUDA	B SC 2 VI 4 0624
GIANNETTI ALFRED 8282 TOLHURST MONTREAL QUE	B ENG CIV 3 DU 1 5550
GIANSANTE JEAN 2042 ST ZOTIQUE ST MONTREAL QUE	B ENG MET 3 RA 8 2229
GIASSON JACQUES 840 CARDINAL VILLE ST LAURENT QUE	B ENG CIV 5 RI 7 3420
GIBB MARY RUTH JANALYN 5338 MOUNTAIN SIGHTS AVE MONTREAL 29 QUE	B A 4 HU 6 8814
GIBBARD GEORGE W BRITTAIN HALL NAPANEE ONT	B SC AGR 3
GIBBON MARY E 1592 PINE AVE W APT 55 16 E 24TH ST HAMILTON ONT	B SC N 2 WE 3 0779
GIBBON TIMOTHY ROYAL VICTORIA COLLEGE 510 CRESHEIM VALLEY RD PHILA 18 PA U S A	B A 1 VI 2 0597
GIBBONS RANDALL BRUCE 3508 DUROCHER ST MTL FOLKESTONE ST JAMES BARBADOS B W I	B SC 1
GIBBONS VALERIE ANN 4453 EARNSCLIFFE AVE MONTREAL QUE	PHYSIOTH 2 HU 6 6195
GIBBS JOHN T 5330 CUMBERLAND AVE MONTREAL QUE	MED DIPL 3 HU 8 5165

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GIBSON JOHN CONRAD 3415 DUROCHER APT 5 MTL 6317 AGNES KANSAS CITY MISSOURI U S A	MD CM 2 AV 8 1464
GIBSON JOHN GEORGE 4203 OXFORD AVE MONTREAL QUE	B COM 2 HU 4 6492
GIGANTES TERRY 3433 DUROCHER ST APT 208 MONTREAL QUE	M A 1 VI 9 7464
GIGUERE JOSEPH CHARLES A 3558 LORNE AVE MTL C O W C J H GIGUERE R C A F STN ST JEAN QUE	B ENG PHY 4
GIGUERE RAYMOND C 577 INVERNESS AVE TOWN OF MT ROYAL QUE	B COM 1 RE 8 6494
GILAAD YIGAL 5400 DECELLES AVE APT 15 MONTREAL QUE	B ENG CH 5 RE 1 2516
GILBERT ANTHONY ROBIN B 3156 THE BOULEVARD MONTREAL QUE	B SC 1 WE 2 9420
GILBERT CHRISTOPHER J 3 ST GEORGE ST STE ANNE DE BELLEVUE QUE 3482 MCTAVISH ST MONTREAL QUE	B SC AGR 2
GILBERT JAMES WILLIAM 222 18TH AVE ST EUSTACHE SUR LE LAC QUE	B ENG MI 4
GILBERT JOSEPH JERRY 5169 JEANNE MANCE ST APT 3 MONTREAL QUE	B SC 2 CR 2 7862
GILBERT MAURICE CHARLES 4555 PARK AVE APT 23 MTL 460 TESSIER ST LA TUQUE QUE	D D S 4
GILCHRIST DONALD WILMOTT 3300 RIDGEWOOD AVE MTL 1225 HERON RD OTTAWA ONT	D D S 3 RE 8 1679
GILDAY DAVID 1475 RUE DE LA COLUMBO BUENOS AIRES BRAZIL	B ENG 2
GILFILLAN JOHN DOHERTY 317 MORRISON AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 9263
GILL BRENTON MACGREGOR 107 SUNNYSIDE WSTMT P O BOX 113 ST VINCENT B W I	B ENG MCH 4 HU 6 3091
GILL JOYCE M 1230 WAGRAM AVE MONTREAL SOUTH QUE	B SC N 1 OR 4 9503
GILL LOUIS JOSEPH 51 NELSON AVE OUTREMONT QUE	B ENG EL 3 CR 1 5534
GILL MARGARET ANNA REAY ROYAL VICTORIA COLLEGE 2710 TUDOR RD VICTORIA B C	B SC 4
GILL ROBERT MACKENZIE 16 SALISBURY RD POINTE CLAIRE QUE	H S D DIP
GILLAIN PIERRE RENE C E 5682 CHABOT ST MONTREAL QUE	B SC 4 CR 1 2181
GILLESPIE PETER JAMES 630 CLARKE AVE WESTMOUNT QUE	B SC 1 WE 2 7633
GILLESPIE THOMAS STUART 630 CLARKE AVE WESTMOUNT QUE	B A 4 WE 2 7633
GILLIES NANCY ANN ROYAL VICTORIA COLLEGE 8 LAWSON ST EDMUNDSTON N B	B SC 1 VI 2 0571
GILLIS JAMES B MACDONALD COLLEGE BARRACHOIS HARB CAPE BRETON CO N S	B SC AGR 4
GILLMAN BARBARA ANN ROYAL VICTORIA COLLEGE 401 LEMESURIER AVE QUEBEC CITY QUE	B A 2
GILMAN STUART EDWARD 5798 DARLINGTON AVE MONTREAL QUE	B SC 1 RE 7 8312
GILMER JOHN BRIAN 1701 GRAHAM BLVD APT 2 TOWN OF MT ROYAL QUE	B SC 2 RE 8 7396
GILMORE GORDON HERBERT 513 COTE ST ANTOINE RD WESTMOUNT QUE	B SC 3 HU 6 8745
GILMOUR SUSAN ELLEN 362 KENSINGTON AVE WESTMOUNT QUE	PHYSIOTH 2 WE 2 1982
GIORDANO IDA MARY S 2357 TERRACE GUINDON MONTREAL QUE	B A 1 LA 1 9186
GIRETZ NORMAN D 3459 DRUMMOND ST MTL 1686 LINCOLNSHIRE BLVD ORCHARD HEIGHTS PORT CREDIT ONT	B COM 2 VI 4 0653
GIRIUNAS VITALIA 1557 DE SEVE ST MONTREAL 20 QUE	D D S 3 PO 8 4721
GITELMAN MORRIS 4635 ST KEVIN AVE APT 1 MONTREAL QUE	B ENG MCH 3 RE 9 1553
GITLITZ MELVIN HYMAN 2775 BARCLAY AVE APT 8 MONTREAL QUE	B SC 2 RE 3 6831
GIVAS JOAN KATHERINE 3492 PEEL ST MTL 15 SHELLEY RD SPRINGFIELD N J U S A	M SC 1 VI 2 7362
GIVNER MORRY LINCOLN 4534 CLARKE ST MONTREAL QUE	PH D 4 AV 8 0990
GLASS JAMES R 3633 OXENDON AVE MTL 315 LOCK ST DUNNVILLE ONT	B SC 2
GLAZER ELAINE 876 DOLLARD AVE OUTREMONT QUE	B ED 3 CR 1 5751
GLAZER GABRIEL 5850 SOUART ST APT 14 MONTREAL QUE	B C L 4 RE 7 9695
GLEED KEITH W 3473 UNIVERSITY ST MTL 7 BALSAM AVE TORONTO 8 ONT	PARTIAL
GLEESON CHRISTOPHER F 7710 BIRMAN ST APT 12 MONTREAL QUE	PH D 4
GLEN CATHERINE ELIZABETH 405 CRESCENT ST ST LAMBERT QUE	B A 2 OR 1 7346
GLENNIE THOMAS C PRESBYTERIAN COLLEGE OXFORD N S	B SC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GLICK HELEN 181 DE LEPEE AVE MONTREAL QUE	3 TCHRS
GLICK HYMAN 4563 CLARK ST MONTREAL QUE	B SC 2 VI 2 5641
GLICKMAN MELVYN JACOB 4220 WESTHILL AVE MONTREAL QUE	B SC 1 HU 4 5409
GLOBUS MORTON 5565 KING GEORGE AVE MONTREAL QUE	B SC 3 AV 1 3351
GLORIEUX DOMINIQUE 3192 THE BOULEVARD WESTMOUNT QUE	B ENG 2 WE 2 5935
GLORIEUX FRANCIS 3192 WESTMOUNT BLVD MONTREAL QUE	B ENG EL 3 WE 2 5935
GLOUBERMAN SEYMOUR 1915 BARCLAY AVE MONTREAL QUE	B A 2 RE 7 5530
GLOUTNEY PETER ROBERT L J 1986 MASSON MONTREAL QUE	B A 2 LA 5 7839
GLUSTEIN ESTELLE R 37 ST GEORGE STE ANNE DE BELLEVUE 4720 QUEEN MARY RD APT 9 MONTREAL QUE	3 TCHRS
GNAEDINGER NANCY GAIL 56 THORNHILL AVE WESTMOUNT QUE	B A 4 WE 3 5663
GODDARD OSWALD THEOPHILUS 4200 PERRAS ST APT 5 VILLE ST MICHEL QUE	B SC 4 RA 9 1423
GODE RICHARD OLIVER 3475 A STANLEY ST APT 18 BURNT HILLS NEW YORK U S A	MD CM 3 VI 5 7798
GODEL SYDNEY L 712 ROCKLAND AVE	B ARCH 6 CR 2 5505
GODET MARTIN SCOTT DOUGLAS HALL ST HELIER CHAPEL RD PAGET BERMUDA	B A 2
GODFREY MARVIN JULIAN 1030 BALL AVE APT 3 MONTREAL QUE	B A 2 CR 1 5986
GODFREY MICHAEL EDWARD 3855 PLAMONDON AVE APT 11 MONTREAL QUE	B A 2 RE 3 6883
GODLEY JOHN S WILSON HALL 2 PRAT AVE 3RD FLOOR KOWLOON HONG KONG	B ENG 2
GOENADI R MOEHADIONO 3491 DUROCHER ST MONTREAL QUE	B SC 3
GOLBA HENRY EDWARD 3548 DANDURAND ST MONTREAL QUE	B ARCH 5 RA 2 1574
GOLD DANIE LYON 41 OAKLAND AVE WESTMOUNT QUE	B COM 4 HU 1 9138
GOLD DAVID PERCY 1000 MCGREGOR ST APT 302 MONTREAL QUE	PH D 3 VI 9 8844
GOLD LAURAINE HARRIET 5318 SNOWDON AVE APT 44 MONTREAL QUE	B SC 2 HU 4 6496
GOLD MICHAEL RICHARD 4752 CIRCLE RD MONTREAL QUE	B COM 2 HU 1 9139
GOLD NANCY E 5115 MAYFAIR AVE MONTREAL QUE	B N 1 HU 4 7074
GOLD PHIL 2110 BEDFORD RD MONTREAL QUE	MD CM 2 RE 3 4133
GOLD ROBERT DONALD 5115 MAYFAIR AVE MONTREAL QUE	M A 2 HU 4 7074
GOLD SHEILA 1882 NORWAY RD MONTREAL QUE	2 TCHRS RE 3 3643
GOLD SUSAN LYNNE 4946 IONA AVE MONTREAL QUE	B A 2 RE 8 5278
GOLDBERG BARBARA J 1555 SUMMERHILL AVE APT 208 MONTREAL QUE	M A 1 WE 2 1252
GOLDBERG HYMAN 4634 HUTCHISON MONTREAL QUE	B SC 4 CR 4 8886
GOLDBERG JUNE YOLANDA 4553 CIRCLE RD MONTREAL QUE	B A 3 HU 6 3301
GOLBERG MICHAEL ARTHUR 4925 CUMBERLAND AVE MONTREAL 28 QUE	B SC 1 HU 1 2029
GOLDBERG NORMAN JOEL 1555 SUMMERHILL AVE APT 208 MONTREAL QUE	MD CM 4 WE 2 1252
GOLDBERG SAMUEL 4294 CLARK ST MONTREAL 18 QUE	PARTIAL VI 2 5369
GOLDEN BARBARA M 4870 JEAN BRILLANT MONTREAL QUE	B A 1 RE 8 8364
GOLDEN GILLIAN W CRESCENT AVE HUDSON HEIGHTS QUE	3 TCHRS
GOLDENBERG MARVIN HENRY 5337 CUMBERLAND ST MONTREAL QUE	MD CM 2 HU 8 3233
GOLDENBLATT DAVID 6825 SOMERLED AVE MONTREAL 29 QUE	B A 2 HU 6 4227
GOLDFIELD ETHEL 1315 VAN HORNE AVE APT 1 MONTREAL QUE	B C L 2 CR 6 5150
GOLDHILL BARRY JACK 4 BURLEIGH RD WEST BRIDGFORD NOTTINGHAM ENGLAND	B A 1
GOLDMAN LEWIS HAYS 905 ST CECILE ST MTL 1000 PARK AVE NEW YORK 28 N Y U S A	B A 2 UN 1 7687
GOLDSCHLEGER ROBERT M 768 UPPER BELMONT AVE WESTMOUNT QUE	B A 2 HU 1 4839
GOLDSCHLEGER STEPHEN S 768 UPPER BELMONT AVE WESTMOUNT QUE	B A 4 HU 1 4839
GOLDSMITH HARRY L 4516 DECARIE BLVD MONTREAL QUE	PH D 2 VI 4 5922
GOLDSTEIN JONAH MAX 1588 BERNARD AVE W OUTREMONT QUE	B A 1 CR 9 6601
GOLDSTEIN MARC BEREL 5852 SOMERLED AVE MONTREAL 29 QUE	B SC 4 HU 6 0587
GOLDSTEIN MARTIN A 488 BLOOMFIELD OUTREMONT QUE	B SC 2 CR 7 7038

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GOLDSTEIN NORMAN PHILLIP 707 VICTORIA AVE WESTMOUNT QUE	B SC 2 HU 6 5877
GOLDSTEIN SHEILA G 4990 JEAN BRILLANT MONTREAL QUE	B A 1 RE 8 7617
GOLDSTEIN STANLEY EDWARD 2530 VAN HORNE AVE APT 2 MONTREAL QUE	MD CM 3 RE 8 5597
GOLDWATER JO ANN 279 SHERATON DR MONTREAL WEST QUE	PHYSIOTH 1 HU 4 8668
GOLDWATER RUTH 196 TOURANGEAU PONT VIAU QUE	B C L 1
GOLDWATER SAM 196 TOURANGEAU PONT VIAU QUE	B C L 1
GOLDWATER SYDNEY GEOFFREY 1560 BERNARD W OUTREMONT QUE	B SC 2 CR 2 9395
GOLFMAN WALTER R 5316 TRANS ISLAND AVE MONTREAL QUE	B ARCH 1 HU 6 5427
GOLIGHTLY JOHN PAUL 960 44TH AVE LACHINE QUE	B SC 2 ME 7 8668
GOLLOB SANDRA 5626 ELDRIDGE AVE COTE ST LUC QUE	B A 2 HU 4 3097
GOLOFF MARY 31 PERREAULT ST STE ANNE DE BELLEVUE 4865 CARLTON AVE MONTREAL QUE	3 TCHRS
GOLOFF SIDNEY 4935 CARLTON AVE MONTREAL QUE	B ENG MCH 5 RE 1 5050
GOLPHIN BERNARD JOHN 3575 DUROCHER AVE MTL BOX 515 BROWNSBURG QUE	B ENG MET 5
GOMBOLAY FERENC J BRITTAIN HALL 402 DOVERCOURT RD TORONTO ONT	B SC AGR 2
GOMEZ MORALES R 2203 SOUVENIR ST MTL AVE REAL TARDINES EL VALLE 18 CARACAS VENEZUELA	B ENG 1 WE 3 1592
GONDER ELEANOR ANNE 3480 ONTARIO AVE MTL 1112 MAIN ST MONCTON N B	MD CM 1 VI 2 0044
GONIN STANLEY RICHARD G 23 WINCHESTER AVE WESTMOUNT QUE	B COM 4 HU 6 5228
GONZALEZ VICTOR J 2064 MANSFIELD ST MTL 16 SCOTT BUSHE ST PORT OF SPAIN TRINIDAD T W I	B ENG 1 VI 9 0558
GOOCH DIANA JUDITH ROYAL VICTORIA COLLEGE 336 LETHBRIDGE AVE TOWN OF MT ROYAL QUE	B SC 2
GOOD PAULA JEAN ROYAL VICTORIA COLLEGE PIGEON HILL LILLEY BOTTOM NR LUTON BEDFORDSHIRE ENGLAND	B SC 3
GOODALL ROBERT GRAYDON W 3R DUFFERIN RD MONTREAL QUE	MED DIPL 5 HU 1 0682
GOODALL ROBERT G WILSON HALL 101 SUMMIT AVE PORT ARTHUR ONT	B ENG 1
GOODFRIEND LAWRENCE 6515 LAVOIE AVE APT 6 MONTREAL QUE	PH D 2 RE 8 8300
GOODINGS ALLEN 3473 UNIVERSITY ST MTL 110 RISEDALE RD BARROW IN FURNESS LANCASHIRE ENGLAND	B D 3
GOODIS STEPHEN ALLEN 4896 LACOMBE AVE MONTREAL QUE	B SC 2 RE 8 3243
GOODMAN NED N E 4523 HARVARD AVE MONTREAL QUE	B SC 3 HU 6 0911
GOODMAN STANLEY IRWIN 5612 RANDALL AVE COTE ST LUC QUE	B A 4 HU 6 4011
GOODMAN STEPHEN IRWIN 6262 WESTBURY AVE MONTREAL 29 QUE	B SC 4 RE 7 1521
GOODNOH SCOTT T E 3605 HOCHELAGA ST APT 6 MONTREAL QUE	B C L 1
GOODWIN HAZEL LOUISE 5637 ST FAMILLE ST MTL 64 OAK RD NORWOOD MASS U S A	MD CM 2
GOODZ MURRAY 5985 MACDONALD AVE MTL STE SOPHIE CO TERREBONNE QUE	B ENG 2 RE 7 8808
GOPPOLD VON LOBSDORF G S 5850 WAVERLEY ST MONTREAL 14 QUE	B ENG 1 CR 1 8762
GORDON ALAN BERNARD 3605 UNIVERSITY ST MTL 453 PARK AVE RYE N Y U S A	B SC 1 AV 8 0643
GORDON BRYNA ROYAL VICTORIA COLLEGE 5553 ROSEDALE AVE COTE ST LUC QUE	B A 3
GORDON DERRICK DESMOND 3650 ST FAMILLE APT 3 HIGHGATE JAMAICA B W I	B ENG CIV 3 VI 4 5579
GORDON ELIZABETH ANNE 518 ROCKLAND RD TOWN OF MT ROYAL QUE	B A 1 RE 8 4551
GORDON IRIS 144 BROADVIEW AVE VALOIS QUE	H S D DIP
GORDON JULIUS 2040 CITY COUNCILLORS ST APT 5 MONTREAL QUE	PH D 4 VI 4 3557
GORDON MARK B 4300 APTS 4300 WESTERN AVE WESTMOUNT QUE	B A 1
GORDON NANCY J STEWART HALL 917 AMPERE ST ARVIDA QUE	2 TCHRS 1
GORDY RAYMOND ALEXANDER 495 MONMOUTH AVE TOWN OF MT ROYAL QUE	B SC 2 RE 3 3657
GORING NEIL L 2047 METCALFE ST APT 7 308 MURRAY ST GEORGETOWN BRITISH GUIANA	D D S 1 VI 9 8269

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GORMAN DAVID PHILIP 2860 DARLINGTON PL MTL FORT COVINGTON N Y U S A	MD CM 2 RE 9 2069
GOSLING JOSEPH F 3535 SHUTER ST MTL SOUTH SALEM NEW YORK USA	D D S 1 VI 4 0841
GOSSAGE JONATHAN F M 4065 COTE DES NEIGES RD 2 ROCKLEDGE COURT MONTREAL QUE	B SC 2 WE 5 1405
GOSSELIN COLETTE LORRAINE ROYAL VICTORIA COLLEGE 576 DES OBLATS AVE QUEBEC CITY 8 QUE	B ED 4
GOTLIEB RUTH D 2615 SOISSONS AVE MONTREAL QUE	2 TCHRS RE 3 2825
GOTTESMAN DANIEL 4350 ST KEVIN AVE APT 11 MONTREAL 26 QUE	B ENG EL 4 RE 1 4303
GOUGEON GUY RENE JOSEPH 3601 ROUEN MONTREAL 4 QUE	B ENG 2 LA 1 5523
GOUGEON THORNTON JAMES 3478 MCTAVISH ST MTL LAURA AVE SUDBURY ONT	B SC 2 VI 2 7412
GOULD AVRUM 4524 HINGSTON AVE MONTREAL QUE	PARTIAL
GOULD BERTIE 5835 DECELLES PL APT 9 MONTREAL QUE	B ENG MCH 4 RE 3 9165
GOULD JUDY Q 4524 HINGSTON AVE MONTREAL QUE	B A 1 HU 1 2325
GOULD LYON MARK 516 ARGYLE AVE WESTMOUNT QUE	B A 2 WE 3 6007
GOULD RUFUS W 1455 DRUMMOND ST APT 310 MONTREAL QUE	PARTIAL VI 2 4386
GOVIER WILLIAM CHARLES 3655 OXENDEN MTL 47 COBB RD MOUNTAIN LAKES NEW JERSEY U S A	MD CM 2 VI 9 3014
GOWING CAROL A E STEWART HALL 405 GREENOCK AVE TOWN OF MT ROYAL QUE	P E DIP 2
GOWING DAVID TREVOR 2024 METCALFE ST APT 16 MONTREAL QUE	B COM 4 VI 5 4764
GRABURN NELSON HAYES H 3620 ST FAMILLE ST MTL NORLEY FARM SHAWLEY GREEN GUILDFORD SURREY ENGLAND	M A 1
GRADINGER HARVEY 5280 PONSARD AVE MONTREAL QUE	B SC 2 HU 8 2085
GRADY RICHARD K 195 PRINCE ARTHUR ST MTL 53 LARCHMONT RD SALEM MASS USA	D D S 2 VI 4 7684
GRAHAM JOHN M BRITTAIN HALL MACDONALD COLLEGE 1301 CALEDONIA RD MONTREAL 16 QUE	B SC AGR 3
GRAHAM JOHN WALLACE 545 PINE AVE W MTL 50 BALTUSROL WAY SHORT HILLS U S A	MD CM 3 VI 5 7045
GRAHAM LINDSAY ALEXANDER 4480 MAPLEWOOD AVE MONTREAL QUE	M SC 1 RE 1 1289
GRAHAM MARGARET ANNE ROYAL VICTORIA COLLEGE 269 GLASGOW ST KITCHENER ONT	B COM 3
GRAHAM MARK 339 OLIVER AVE WESTMOUNT QUE	B SC 2 WE 3 4840
GRAHAM ROBERT R BRITTAIN HALL 32 HIGHLAND DR TRURO N S	B SC AGR 3
GRAHAM VERDA L 4172 GIROUARD AVE MTL 10 WIMBLETON CRES TORONTO 18 ONT	B SC N 1 HU 8 3145
GRAIF IRVING 5488 AVONMORE AVE APT 201 MONTREAL QUE	B ENG MCH 5 HU 6 8100
GRAIF LINDA 5488 AVONMORE AVE APT 201 MONTREAL QUE	B A 3 HU 6 8100
GRANDGUILLOT ROGER G 72 UPPER EDISON ST LAMBERT QUE	B ENG EL 4 OR 1 2529
GRANT ALAN MCNABB 140 CHESTER AVE MONTREAL 16 QUE	B ENG 2 RE 7 3785
GRANT DAVID JOHN 590 MITCHELL AVE TOWN OF MT ROYAL QUE	B COM 1 RE 8 6495
GRANT DONALD L BRITTAIN HALL BOX 447 PICTOU N S	B SC AGR 3
GRANT ELAINE ROYAL VICTORIA COLLEGE INVERNESS NOVA SCOTIA	PHYSIOTH 2
GRANT GEORGE ROBERT 3941A CARLTON AVE MONTREAL QUE	PH B 3 RE 3 2598
GRANT JAMES A 241 FIRST ST ST LAMBERT QUE	B C L 1 OR 1 7388
GRANT JANET PAULETTE ROYAL VICTORIA COLLEGE WHITE CAPS HARRINGTON SOUND BERMUDA	B SC 4
GRANT JOHN DAVID 3605 UNIVERSITY ST P O KIAMBU KENYA EAST AFRICA	B COM 1 AV 8 0643
GRANT JOHN MACGREGOR DOUGLAS HALL 407 MINTO PL ROCKCLIFFE PK OTTAWA ONT	B SC 3
GRANT NANCY JANE 241 FIRST ST ST LAMBERT QUE	B A 1 OR 1 7388
GRANT SUTTIE GEORGE P ST ANDREWS N B	AGR DIP 2
GRATTON PIERRE JEAN M 3692 ST ANDRE ST MTL 82 MAURICE ST HULL QUE	B ENG CIV 4
GRAUER HARRY 5094 VICTORIA AVE MTL 569 CHEAPSIDE ST LONDON ONT	MED DIPL 4 RE 7 2507
GRAVELLE GEORGE ANDRE 4844A DE LAROCHE ST MONTREAL 34 QUE	B ENG CIV 4 LA 5 9724

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GRAVELLE LUKE H 475 PINE AVE W MTL 136 MAPLE NORTH TIMMINS ONT	B ED 3 VI 4 4270
GRAVES NELLIE E 1585 MCGREGOR ST APT 25 TRYON P E I	B N 1 WE 3 0051
GRAVINO NICOLA ROSARIO 8905 ST DENIS ST MONTREAL QUE	B ENG 2 DU 8 3464
GRAY GLORIA E MACDONALD COLLEGE NEW CARLISLE QUE	2 TCHRS
GRAY LESLEY R ROYAL VICTORIA COLLEGE 206 ST CHARLES RD BEACONSFIELD WEST QUE	B SC 2
GRAY MARILYN L STEWART HALL MACDONALD COLLEGE 71 GLENRIDGE AVE ST CATHARINES ONT	B SC H EC 2
GRAY NICHOLAS ALEXANDER B 256 PINE AVE W MONTREAL QUE	B COM 4 VI 9 8275
GRAY NORMAN C DOUGLAS HALL 928 E LEHMAN ST LEBANON PA USA	MD CM 1
GRAY THOMAS HUGH 67 SIMCOE AVE MONTREAL 16 QUE	B ENG CH 4 RE 8 8122
GRAY DONALD DONALD A 128 ARLINGTON AVE MONTREAL 6 QUE	B COM 3 WE 7 1439
GREEN FLOYD E 3473 UNIVERSITY ST MTL LYN ONTARIO	PARTIAL
GREEN LEONA LOUISA 4950 CUMBERLAND AVE MONTREAL 29 QUE	PHYSIOTH 2 HU 8 3398
GREEN LORNA ROYAL VICTORIA COLLEGE 6509 MILLWOOD RD KENNWOOD PK BETHESDA 14 MD U S A	B SC 3
GREEN MARY K B ROYAL VICTORIA COLLEGE 118 MOHAWK TRAIL WAYNE N J U S A	B A 1 VI 9 0030
GREEN MICHAEL JOHN 640 DAWSON AVE TOWN OF MT ROYAL QUE	B ENG EL 3 RE 3 5707
GREEN MIRIAN MOLLY 2420 PATON AVE ST LAURENT QUE	M S W 1 RI 8 8582
GREEN PETER WILLIAM 3618 OXENDEN AVE MTL MACASSA MINE KIRKLAND LAKE ONT	M SC 1 VI 9 7965
GREEN RONA 90 COTE ST CATHERINE RD OUTREMONT QUE	H S D DIP CR 2 7758
GREEN WENDY C MACDONALD COLLEGE 435 WALNUT AVE ST LAMBERT QUE	3 TCHRS
GREENBAUM MORRIS 5796 TRANS ISLAND AVE MONTREAL QUE	B ARCH 5 RE 8 5591
GREENBERG BENJAMIN J 5574 LYNDALE AVE MONTREAL QUE	B C L 4 HU 1 1373
GREENBERG ELAINE 5882 HUDSON RD MONTREAL QUE	H S D DIP RE 3 1410
GREENBERG HARRIET 2445 MANTHA ST VILLE ST LAURENT QUE	PHYSIOTH 2 RI 4 6037
GREENBERG JANICE DOROTHY 19 ABERDEEN AVE WESTMOUNT QUE	B A 2 WE 3 4867
GREENBERG SYDNEY 2535 GOYER ST MONTREAL QUE	B ENG CH 3 RE 7 3371
GREENHOUGH ARTHUR A 3508 UNIVERSITY ST MTL P O BOX 29 ARUNDEL QUE	PARTIAL VI 5 4873
GREENSPAN MARILYN R 6797 DE VIMY ST MTL 22 YORK ST HALIFAX N S	B A. 1 CR 6 0842
GREENSPAN ZELDA KAY 6797 DE VIMY ST MTL 22 YORK ST HALIFAX N S	B A 4 CR 6 0842
GREENWALD HERBERT 4955 BOURRET AVE APT 21 MONTREAL QUE	B SC 3 RE 7 5508
GREENWOOD FRANK M E 3767 THE BOULEVARD WESTMOUNT QUE	HOMEMAKER 1 HU 1 2450
GREFF JULIUS S P O BOX 133 MACDONALD COLLEGE QUE	B SC AGR 2
GREGORY ALBERT P 5351 DUQUETTE ST MONTREAL QUE	B ENG 1 HU 1 6619
GREIG ALAN WILLIAM 4814 VICTORIA AVE MONTREAL QUE	B ENG 2 HU 9 4480
GREIG COLIN LANGTON 485 SHERBROOKE ST W MONTREAL QUE	B A 2 VI 5 0734
GREINER GEORGE V 3630 DUROCHER ST APT 33 MONTREAL QUE	B ENG CH 3
GRENIER RICHARD 9614 NOTRE DAME ST E MONTREAL QUE	M SC 1 CL 5 2972
GREY JANET WENDY 4741 PRINCE ARTHUR ST W APT 7 MONTREAL QUE	M SC 1 AV 8 1817
GREY PETER 4990 WALKLEY AVE APT 5 MONTREAL QUE	B SC 2 HU 1 5495
GREYBORN ANN ROYAL VICTORIA COLLEGE 214 WILLIAM ST COWANSVILLE QUE	B SC 1 VI 2 0571
GRIEF HOWARD 854 WISEMAN AVE MONTREAL QUE	B SC 2 CR 1 5524
GRIERSON BRUCE JOHN 3851 UNIVERSITY ST MTL BOWMORE FARM HAWRIDGE CHESHAN BUCKS ENGLAND	B ENG MET 3
GRIEVE CHARLOTTE I 4035 HARVARD AVE MONTREAL 28 QUE	PHYSIOTH 3 HU 1 4438
GRIFFIN IAN ST JOHN 120 GARDEN CRES APT 12 DORVAL QUE	B ENG COM 5 ME 1 0326
GRIFFIN JANE LEE FARRER ROYAL VICTORIA COLLEGE 45 LARCH ST HALIFAX N S	B A 4
GRIFFITH MARION E MACDONALD COLLEGE 11 CHURCHILL AVE LEAMINGTON ONT	B SC H EC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GRIFFITHS ELIZABETH F V 275 QUERBES AVE MONTREAL 8 QUE	B ED 4 CR 7 0277
GRIFFITHS HARRY W 3851 UNIVERSITY ST MTL 208 ROSEMARY RD TORONTO 10 ONT	B ENG CIV 4 AV 8 9497
GRIFFITHS JAMES EDWARD 219 POPLAR AVE WINNIPEG 5 MANITOBA	PH D 4
GRIFFITHS KENNETH 743 ARGYLE AVE VERDUN QUE	B ENG MCH 3 PO 7 0611
GRIFFITHS PATRICIA M 165 SUNNYSIDE AVE LAKESIDE QUE	2 TCHRS
GRIGOIKO NELLY 2920 HAIG AVE MONTREAL 5 QUE	2 TCHRS CL 9 2014
GRIMARD JOSEPH MICHEL 1953 SHERBROOKE ST E MTL 343 6TH AVE GRAND MERE QUE	B SC 2
GRIMES GRAEME RHODERICK G DOUGLAS HALL 4A SUMMIT RD PORT WASHINGTON N Y USA	B ENG 1
GRIMSHAW DALE A 88 ALLARD AVE DORVAL QUE	B A 1 ME 1 3058
GRIMSON COLIN DONALD 4043 MARLOWE AVE MONTREAL QUE	M A 1 HU 4 5605
GRISDALE JOHN MCARTHUR P O BOX 333 HUDSON QUE	M SC 2
GRISDALE SARA K MACDONALD COLLEGE 24 DONCLIFFE DR TORONTO ONT	B SC AGR 4
GRIVAS CONSTANTIN 538 MILTON ST APT 9 MTL 62 SAPFUS ST ATHENS GREECE	PH D 3 VI 2 5500
GROBER SAMUEL 3484 DUROCHER ST APT 205 MTL 222 LOCKSLEY AVE TORONTO 19 ONT	B ENG 1 VI 9 5158
GROENBERG TIIU MAI 240 WESTMINSTER AVE N MONTREAL W QUE	B A 4 HU 4 3205
GROGAN RICHARD BRUCE 5619 QUEEN MARY RD HAMPSTEAD QUE	B ENG 2 HU 4 2055
GROOM WENDELL F MACDONALD COLLEGE BURY QUEBEC	AGR DIP 1
GROSE JOHN O BRITTAIN HALL 75 OLD CHURCH LANE STANMORE MIDDLESEX ENGLAND	AGR DIP 1
GROSS ANN 6415 VICTORIA AVE APT 200 MONTREAL QUE	PARTIAL RE 3 7786
GROSS ELEANOR K 4700 PLAMONDON AVE APT 10 MONTREAL QUE	B A 4 RE 3 6612
GROSS MARTIN 4700 PLAMONDON AVE APT 10 MONTREAL QUE	B C L 2 RE 3 6612
GROSSKLAUS MICHAEL 216 DRESDEN AVE MONTREAL 16 QUE	B ENG 1 RE 7 8826
GROSSMAN HEDI S 5718 QUEEN MARY RD HAMPSTEAD QUE	3 TCHRS HU 9 1266
GROSSMAN RONALD ALLAN 5718 QUEEN MARY RD HAMPSTEAD QUE	D D S 4 HU 9 1266
GROSSMANN MARIE CAROLYN S 5060 N D G AVE MONTREAL QUE	B A 4 HU 1 9455
GROSTERN GEORGE SHELDON 5593 PHILIPPS AVE MONTREAL QUE	B COM 4 RE 8 4483
GROUNDWATER FERGUS MINER 210 SECOND ST ST LAMBERT QUE	B ENG MCH 3 OR 1 7502
GROUT ROBERT CAMERON L 68 ARLINGTON AVE WESTMOUNT QUE	B SC 2 WE 7 3726
GRUEN TOBIAS 132 ST JAMES ST W MONTREAL QUE	M A 2 VI 4 9462
GRUNBLATT JOSEPH ABRAHAM 3734 KENT AVE MONTREAL QUE	M A 2 RE 8 0848
GRUNDY JOHN A 4500 GIROUARD AVE APT 11 MONTREAL QUE	B ENG 2 HU 9 6468
GRUNER PETER HAMILTON 911 CALEDONIA RD MONTREAL 16 QUE	MD CM 4 RE 8 5994
GUAITA SILVANO 3508 UNIVERSITY ST MTL C O DR A MONCADA ITALIAN UNITED CHURCH 6980 PAPINEAU AVE MONTREAL QUE	B D 1 VI 5 4873
GUAY JOSEPH PHILIPPE 3203 DE SERIGNY MONTREAL QUE	B C L 4 RE 8 1781
GUERTIN JACQUES D P 515 CHURCH AVE BEAUREPAIRE QUE	B SC 3
GUERTIN PIERRE I 419 PRINCE ARTHUR ST MTL 1 FRONT ST HULL QUE	B ENG 2
GUGIS TADAS 3455 JEANNE MANCE ST MTL 200 HOLTON AVE S HAMILTON ONT	B ENG 2 VI 5 0979
GUHA AMARES CHANDRA 3659 LORNE CRES MTL 47A LAKE AVE CALCUTTA 26 INDIA	PH D 2 AV 8 8713
GUIBERT FRANCOIS MACDONALD COLLEGE 651 STUART AVE OUTREMONT QUE	PARTIAL
GUIGNION JANIS P BOX 190 GASPE QUE	3 TCHRS
GUIGNION JUDY J F MACDONALD COLLEGE BOX 190 GASPE QUE	2 TCHRS 2
GUILBAULT JOSEPH L P 5480 LAFOND ST MONTREAL QUE	B C L 4 RA 2 4022
GUILD BARBARA LAWRENCE 22 CEDAR AVE POINTE CLAIRE QUE	2 TCHRS 1
GUILD NANCY IRENE 3480 ONTARIO AVE MTL MALLORYTOWN ONT	PHYSIOTH 4 VI 2 0044

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GUILLAUME SANDRA ARLENE 1355 DORCHESTER ST W MTL 45 MCLEOD ST OTTAWA 4 ONT	M A 1 UN 6 9941
GUILLEMETTE NORMAND 68 PRINCE ARTHUR ST W APT 19 MTL 2033 BOISVERT ST SHAWINIGAN QUE	B ENG CH 3 VI 9 1436
GUIMONT MAURICE SYLVIO J 1218 BISHOP ST MTL GRAND FALLS N B	B ENG CH 3 UN 1 8052
GUITTON DANIEL EDWARD 8983 BASILE ROUTHIER ST MONTREAL QUE	B ENG MCH 4 DU 8 5142
GULDEN NORMAN 5181 BOURRET AVE MONTREAL 29 QUE	B COM 1 RE 7 5385
GULDEN SIMON 5181 BOURRET AVE MONTREAL 29 QUE	B A 4 RE 7 5385
GULLAPALLI SITARAMAIAH 3520 LORNE AVE MONTREAL QUE	PH D 2 VI 9 6221
GUNION ISABEL G G 53 PARKDALE AVE VALOIS QUE	PARTIAL
GUNN GAIL W 370 SIXTH AVE VERDUN QUE	3 TCHRS PO 6 4949
GUNN JOHN D 4630 HINGSTON AVE MONTREAL 28 QUE	B SC 1 HU 4 2309
GUNN MORRIS WILLIAM 4715 PLAMONDON AVE APT 28 MONTREAL QUE	M SC 2
GUNTHER GEORG 3452 STE FAMILLE ST MONTREAL QUE	B A 3 VI 5 3963
GUNTHER MARJORIE M 332 5TH ST E CORNWALL ONT	B SC H EC 1
GUPTA PREM RAJ 3511 HUTCHISON ST MTL 3420 UNIVERSITY ST MONTREAL QUE	PH D 4 VI 4 8121
GURALNICK MELVIN STEVEN 767 DAVAAR AVE OUTREMONT QUE	B A 2 CR 9 4921
GURALNICK PERRY 767 DAVAAR AVE OUTREMONT QUE	B A 3 CR 9 4921
GURBERG DAVID WILLIAM 550 DORAIS VILLE ST LAURENT QUE	B A 2 RI 4 6994
GURD DAVID P 2161 GRAHAM BLVD MONTREAL 16 QUE	B SC 2 RE 8 8628
GUSTAFSON ANDREA M E STEWART HALL MACDONALD COLLEGE BOX 152 COWANSVILLE QUE	B SC H EC 4
GUTELIUS JOHN ROBERT 10 NORTHCOTE RD HAMPSTEAD QUE	MED DIPL 3 HU 6 3358
GUTHRIE ANNA LOUISE 8 MARTIN AVE DORVAL QUE	B A 4
GUTHRIE ARTHUR DEREK 8 MARTIN AVE DORVAL QUE	B C L 2 ME 1 1510
GUTHRIE PETER A 633 ROSLYN AVE WESTMOUNT QUE	B ENG 2 HU 4 6603
GUTTMAN ALLAN 6002 MOUNTAIN SIGHTS AVE MONTREAL 29 QUE	B ENG 1 RE 7 1509
GUTTMAN GILDA FRANCES 651 LANSDOWNE AVE WESTMOUNT QUE	B A 4 HU 1 9390
GUTTMAN MARTIN D 8 LEGAULT STE ANNE DE BELLEVUE QUE 3245 VAN HORNE AVE MONTREAL QUE	B SC AGR 1
GUTTMAN SUE CAROL 6915 LEMIEUX ST MONTREAL QUE	B A 2 RE 7 2102
GUY BRAY JOHN VICTOR 637 MILTON ST APT 1 MONTREAL 1A QUE	PH D 2 VI 4 5609
GUY SAINTE M 9 RP CORENTIN CLOAREC BOIS COLOMBES FRANCE 5585 4TH AVE MONTREAL 36 QUE	PH D 3
GUZMAN DANILO ANTONIO 3434 MCTAVISH ST MTL CASTILLO 43 SAN FRANCISCO DE MACORIS DOMINICAN REPUBLIC	MD CM 3 VI 2 4492
GWYN CAROLINE MARY 394 GRAND COTE ROSEMERE QUE	B SC 4
GYAPAY ESTHER 500 VICTORIA AVE MTL P O BOX 144 MACDONALD COLLEGE QUE	B A 2 HU 4 4463
GYAW MAUNG OHN 3615 UNIVERSITY ST MTL 224 P O AUNG GYAW ST RANGOON BURMA	PH D 3 VI 4 0888
GYENES LADISLAS 4080 COTE STE CATHERINE MONTREAL QUE	PH D 3 RE 3 6269

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HABE ANDREW BERNARD 3105 LINTON ST APT 10 MONTREAL QUE	PH D 3 RE 3 4100
HACKETT BARBARA JEAN ROYAL VICTORIA COLLEGE 319 39TH AVE S W CALGARY ALTA	B SC 3 VI 2 0327
HACKETT CHARLES D G 448 ARGYLE AVE WESTMOUNT QUE	B C L 1
HADJIS DIMITRIOS 3262 PLACE DE LEZY MONTREAL QUE	L L M 2 LA 1 4708
HADLEY BEVERLEY A P O BOX 548 BROWNSBURG QUE	B SC H EC 1
HAGEL HELEN EMMA 434 LAFAYETTE ST UTICA N Y U S A	M A 1
HAGER JEROME 4334 ST CATHERINE ST W MONTREAL QUE	M SC 1 WE 3 9813
HAGGART CATHERINE F 3444 DECARIE BLVD MONTREAL QUE	PH D 3 HU 9 6029
HAHAMOVITCH DONALD EDWARD 6955 FIELDING AVE APT 102 MONTREAL 29 QUE	B C L 2 HU 1 0916

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HAHN ERNEST NORMAN 7608 BROADWAY VILLE LASALLE 36 STRATH AVE TORONTO 18 ONT	S T M 1 PO 6 5921
HAIGIS JOANNE 1538 CRESCENT ST MTL 21 ROBINSON PARKWAY BURLINGTON VERMONT U S A	B L S 5 AV 8 2073
HAILE MARIAM TASHOMA 3515 UNIVERSITY ST APT 2 ADDIS ABABA ETHIOPIA	B C L 3 VI 2 6755
HAINES CHARLES EUGENE 356 PINE AVE W APT 1 MTL P O BOX 178 HAMILTON CITY CALIFORNIA U S A	MD CM 4 VI 9 4853
HAISLEY RAYMOND B 3631 LORNE CRES MTL 5 REVOLI AVE SPANISH TOWN JAMAICA T W I	B A 2
HAJNSEK FRANJO QUEEN MARY VETERANS HOSP GOYANIKA 42 ZAGREB YUGOSLAVIA	MED DIPL 2
HALEY PETER MILAN 4940 COTE DES NEIGES RD MONTREAL 29 QUE	B SC 2 RE 8 4481
HALL CHARLES DENIS 3508 UNIVERSITY ST MTL 83 ST ANDREWS RD BAIE D URFEE QUE	B ENG PHY 4 VI 5 4873
HALL CONRAD ST GEORGE 3439 SHUTER ST MTL 2 MARGARET HALL LANE MONTEGO BAY JAMAICA B W I	B SC 1
HALL GARY JOHN ELVIN 5202 DALOU AVE MONTREAL 29 QUE	B SC 2 HU 4 8247
HALL HUGH B 3511 PEEL ST MTL 1622 CEDAR AVE LONG BEACH 13 CALIF U S A	B ARCH 6 VI 4 4777
HALL KAREN AGNETE 46 SUMMIT CIRCLE MONTREAL 6 QUE	B SC 2 WE 5 2631
HALL MARY ELIZABETH ROYAL VICTORIA COLLEGE BOX 303 MACDONALD COLLEGE QUE	B ED 3 VI 2 0526
HALL ROBERT DAVID 4880 PLAMONDON AVE APT 2 MONTREAL 29 QUE	MD CM 4 RE 8 3833
HALL SANDRA A S 1705 RUE DE SEVE APT 1 MONTREAL 20 QUE	3 TCHRS PO 8 8207
HALL THOMAS C 3466 MCTAVISH ST MTL 1431 PENINSULA DRIVE TRAVERSE CITY MICHIGAN U S A	MD CM 3
HALL VINCENT H BRITTAIN HALL IRON HILL QUE	2 TCHRS 1
HALLAC ALBERT 228 STANSTEAD AVE TOWN OF MT ROYAL QUE	B COM 4 RE 3 8469
HALLS EDITH J D 3480 ONTARIO AVE MTL 433 GLADMER PARK REGINA SASK	PHYSIOTH 3 VI 2 0044
HALMAY ANDREW GEORGE 464 WOOD AVE WESTMOUNT QUE	B ENG 2 WE 7 2629
HALMAY PETER 464 WOOD AVE WESTMOUNT QUE	B ENG 2 WE 7 2629
HALPERIN MITCHELL L 4850 MAPLEWOOD AVE APT 19 MONTREAL QUE	MD CM 1 RE 3 9286
HALPERN GERALD 74 MCNIDER AVE OUTREMONT QUE	B A 3 CR 9 6788
HALPERN MARTIN 74 MCNIDER AVE OUTREMONT QUE	B SC 4 CR 9 6788
HALPERN MORRIS 2080 ST LOUIS PL VILLE ST LAURENT QUE	PARTIAL 0 RI 7 4466
HALPERN NAHUM 4821 BARKLAY AVE APT 2 MONTREAL QUE	B ENG PHY 3 RE 3 3872
HALPERT LESLIE SYDNEY 5215 BESSBOROUGH AVE MONTREAL 29 QUE	B COM 2 HU 4 8548
HALSEY BRUCE W 5875 TERREBONNE AVE MONTREAL QUE	M S W 2 HU 4 3166
HALTRECHT DAVID GORDON 4847 KENT AVE MONTREAL QUE	B ENG EL 4 RE 1 0314
HALVORSON HARVEST BOX 42 MACDONALD COLLEGE 1167 MANITOBA AVE WINNIPEG 4 MAN	PH D 2
HAM ARTHUR KEITH 3 DE CASSON RD WESTMOUNT QUE	B C L 3 WE 3 7450
HAMEL ANITA ISABELLE 55 LORNE ST ST LAMBERT QUE	B SC 4 OR 1 6045
HAMEL LAURENT 526 SHERBROOKE ST E MONTREAL QUE	B ENG 2 AV 8 3008
HAMEL ROBERT ALLAN 5000 DOHERTY MTL 251 GAY LUSSAC ARVIDA QUE	B ENG 3 HU 6 9575
HAMID MAHMUD A K 3512 SHUTER ST MTL C O PORT MASTER TULKARM JORDAN	B ENG COM 5
HAMILTON ANDY GERALD 451 STRATHCONA AVE WESTMOUNT QUE	B ENG 2 WE 2 1308
HAMILTON AUDREY LOUISA 590 LAKESHORE RD BEAUREPAIRE QUE	B SC 2
HAMILTON BARBARA JOAN ROYAL VICTORIA COLLEGE STE ANNE S HOSPITAL STE ANNE DE BELLEVUE QUE	B A 1 VI 2 0597
HAMILTON BRUCE C 3410 KENSINGTON AVE APT 7 MONTREAL QUE	B C L 2 HU 8 4368
HAMILTON DAVID C 2630 OVERHILL ST LACHINE QUE	B ENG 1
HAMILTON ELIZABETH A STEWART HALL HUNTINGDON QUE	3 TCHRS
HAMILTON FRANK ALFRED 2630 OVERHILL ST BLDG 25 APT 4 R C A F STATION LACHINE QUE	B ARCH 3
HAMILTON HERBERT ASHTON N 3433 HUTCHISON ST MONTREAL QUE	B A 2 AV 8 4790

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HAMILTON KENNETH GEORGE 3440 RIDGEWOOD AVE MTL 79 HIGHLAND AVE SHORT HILLS N Y USA	MD CM 3
HAMILTON MARGARET D 5130 WESTMORE AVE MONTREAL QUE	2 TCHRS 1 HU 1 8979
HAMILTON ROBERT DUNCAN STE ANNES HOSPITAL STE ANNE DE BELLEVUE QUE	B SC AGR 4
HAMILTON ROBERT LORNE 1441 DRUMMOND ST APT 512 R R 3 AYERS CLIFF QUE	D D S 2
HAMILTON ROBERT SWANN 3657 ST FAMILLE ST APT 69 MTL 7 CHICHESTER PARK N BELFAST NORTH IRELAND	M SC 1 AV 8 0552
HAMILTON RONALD ARTHUR S 3650 LORNE CRES MTL 40A UPPER WATERLOO RD KINGSTON 8 JAMAICA F W I	B SC 4 VI 4 9719
HAMMOND GRAEME BANCROFT HOUSE 36 CRANE RD SCARSDALE N Y USA	MD CM 1 VI 9 3142
HAMMOND ROBERT R 366 SHERBROOKE ST W APT 6 MTL 6642 16TH AVE MONTREAL 36 QUE	M S W 1 VI 9 3031
HAMPSON MICHAEL C BOX 26 MACDONALD COLLEGE QUE	M SC 1
HAMPTON RICHARD JOHN 160 46TH AVE LACHINE QUE	B ENG CH 4 ME 7 2223
HANAWAY JOSEPH 1389 REDPATH CRES MTL 47 KNOLLWOOD RD SHORT HILLS NEW JERSEY U S A	MD CM 3 VI 2 4738
HANDAL EDGARDO DOUGLAS HALL CALLE BOLIVAR TEGUCRGALPA HONDURAS	B SC 1
HANDELMAN DONALD 5862 WESTBURY AVE MTL STE AGATHE CHALET STE AGATHE DES MONTS QUE	B A 3 RE 7 5630
HANDELMAN SAUL 6463 MCLYNN MONTREAL QUE	B C L 1 RE 1 1210
HANDIAK NICHOLAS 1319 CONWAY ST MONTREAL 22 QUE	B ENG CH 4
HANDMAN JOY 6 KENT STE ANNE DE BELLEVUE 4992 ISABELLA AVE MONTREAL QUE	3 TCHRS
HANKS WILFRED GEORGE 3261 FOREST HILL AVE APT 4 MONTREAL QUE	M A 2 RE 3 4029
HANNEN JOHN EDWARD 19 BRYNMOR MONTREAL WEST QUE	B A 4 HU 1 1522
HANOVER CLINTON DE WITT 1420 PINE AVE WEST MTL 8 GEDNEY WAY CHAPPAQUA N Y U S A	B A 4 AV 8 8880
HANSEN CARL ANTHONY 3621 LORNE CRES MTL WESTHAMPTON BEACH NEW YORK U S A	MD CM 2 VI 4 6086
HANSEN HAROLD C J 615 47TH AVE LACHINE QUE	B ED P ED 1 ME 7 1826
HANSULD JOHN ALEXANDER 6001 COTE ST LUC RD APT 404 MONTREAL 29 QUE	PH D 3 HU 1 2140
HARASIMOWICZ PAUL PETER 31 MAGUIRE ST MONTREAL QUE	D D S 2 CR 4 1470
HARBERT JOHN EDWARD 451 STRATHCONA AVE WSTMT 1355 RUSSELL ST SHERBROOKE QUE	B ENG MCH 4 WE 2 1308
HARDING ALWIN WILBERFORCE 3466 SHUTER ST APT 202 ORANGE HILL ST JAMES BARBADOS B W I	B A 3 AV 8 6961
HARDING DOROTHY J MACDONALD COLLEGE 405 PINE AVE ST LAMBERT QUE	B ED 1
HARDY ADAM W 1225 OUIMET ST VILLE ST LAURENT QUE	B ENG 2 RI 4 0017
HARDY JOHN CHRISTOPHER 1483 ATWATER AVE APT 9 MONTREAL QUE	B SC 2 WE 2 8609
HARDY LAURA RUTH 1374 CARDINAL ST VILLE ST LAURENT QUE	B SC 1 RI 4 2145
HARGROVE CLIFFORD K 3737 CORONET RD APT 10 MONTREAL QUE	PH D 3 RE 1 6394
HARINGTON RICHARD 1487 MOUNTAIN ST APT 14 836 24TH AVE N W CALGARY ALTA	M SC 1
HARKNESS DIANE J STEWART HALL 4610 ST JOSEPH ST LACHINE QUE	P E DIP 2
HARKNESS JOHN PATRICK 1235 SHERBROOKE ST LACHINE QUE	D D S 3 ME 7 2787
HARLAND ROSS CAMERON BRITTAIN HALL BEDFORD QUE	B SC AGR 2
HARNEY PATRICIA MARIE BOX 191 MACDONALD COLLEGE QUE	M SC 3
HARPER GEORGE GERALD MACDONALD COLLEGE LEWISVILLE N B	B SC AGR 3
HARPER THOMAS MICHAEL 364 METCALFE AVE WESTMOUNT QUE	B ENG MCH 3 WE 3 5268
HARRINGTON ALEXANDER T PRINCE ARTHUR LORNE AVE MONTREAL QUE	B ENG MCH 3
HARRINGTON BETTY N N 1280 PINE AVE WEST MTL 3106 GLASGOW AVE VICTORIA B C	B SC N 2 VI 2 9451
HARRINGTON ELAINE RAE 1355 DORCHESTER ST W MTL 12 OLIVER ST ST THOMAS ONT	B L S 1
HARRINGTON EMILY F 3706 PEEL ST MTL 1432 PORTAL ST OTTAWA ONT	B N 1 AV 8 2062
HARRIS CAROLINE C ROYAL VICTORIA COLLEGE MISPEC R R 3 ST JOHN CO N B	PHYSIOTH 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HARRIS FRANK HORST 5503 SMART AVE MONTREAL 29 QUE	B ENG EL 4 HU 9 1994
HARRIS GEORGE ASHTON 2121 KIMBERLEY ST MTL 1417 GRAHAM BLVD APT 12 TOWN OF MT ROYAL QUE	B A 2
HARRIS GORDON LEONARD 4170 GIROUARD AVE MONTREAL QUE	B A 3 HU 1 1698
HARRIS HUGH G 426 SHERBROOKE ST W MTL 61 ORRIN AVE OTTAWA ONT	B ENG 2
HARRIS IAN EDSEL 631 MURRAY HILL WESTMOUNT QUE	B A 1 HU 4 3257
HARRIS JOHN D BRITTAIN HALL 6056 SOMERLED AVE MONTREAL QUE	B SC AGR 1
HARRIS MARGARET E 4590 GRAND BLVD MONTREAL 28 QUE	B A 1 HU 4 4558
HARRISON BARBARA L 171 SHERATON DR MONTREAL WEST QUE	3 TCHRS HU 1 0743
HARRISON ERNEST 338 DOUGLAS DR TORONTO ONT	B ENG 1
HARRISON JUDITH ANN ROYAL VICTORIA COLLEGE COLLEGE HILL ROTHESAY N B	B SC 3 VI 2 0598
HARRISON KARL MITCHELL 3660 LORNE CRES APT 18 10 FOURTH AVE VINEYARD TOWN JAMAICA WEST INDIES	B SC 3 AV 8 4982
HARRISON MARGARET E MACDONALD COLLEGE R R 2 FREDERICTON N B	B SC H EC 3
HARROLD ALAN JOHN 7045 FIELDING AVE APT 204 MONTREAL QUE	MD CM 2 HU 9 2059
HARROW MARTIN 3875 PLAMONDON AVE APT 11 MONTREAL QUE	M SC 1 RE 7 1815
HARSORA CHIMANLAL T 3419 HUTCHISON ST APT 4 MONTREAL QUE	B ENG CIV 4 VI 2 5691
HART FLORENCE C 898 GROU AVE VILLE ST LAURENT QUE	3 TCHRS RI 8 8351
HART GEORGE S BRITTAIN HALL 16 WEST KINGS HOUSE RD HALFWAY TREE P O JAMAICA	B SC AGR 3
HART HERBERT M MACDONALD COLLEGE 16 WEST KINGS HOUSE RD HALFWAY TREE P O JAMAICA	B SC AGR 1
HART SALLY ELIZABETH ROYAL VICTORIA COLLEGE BOX 246 NORTH HATLEY QUE	B SC 3 VI 2 0598
HART SUSAN AIRDRIE 163 SENNEVILLE RD R R 1 STE ANNE DE BELLEVUE QUE	B A 1
HARTERRE DONALD J 3460 SIMPSON ST MONTREAL QUE	MD CM 1 WE 2 5064
HARTMAN ABRAHAM AARON 5533 QUEEN MARY RD MONTREAL QUE	B SC 3 HU 8 5137
HARTMAN JAAKKO A 232 ELIZABETH CIRCLE ROSEMERE QUE	B ENG 1
HARTT JOEL 6300 WESTBURY AVE MONTREAL QUE	B A 1 RE 3 2465
HARTT STANLEY H 6300 WESTBURY AVE MTL 15 BLVD JOURDAN PARIS 14 FRANCE	M A 1
HARTWICK FREDERICK D A DOUGLAS HALL 216 GAY LUSSAC ST ARVIDA QUE	B ENG 2
HARVEY BARBARA L STEWART HALL 620 MERTON AVE ST LAMBERT QUE	2 TCHRS 1
HARVEY CLARK CHRISTOPHER 3463 SHUTER ST APT 1 MONTREAL QUE	B ENG EL 3 VI 5 0746
HARVEY CONSTANCE D 63 BROOKHAVEN AVE DORVAL QUE	2 TCHRS 1 ME 1 8920
HARVEY DONALD FREDERICK 3400 RIDGEWOOD AVE APT 2 MONTREAL QUE	MD CM 3 RE 1 2927
HARVEY MERLE 24 ST GEORGES ST STE ANNE DE BELLEVUE 4510 MONTCLAIR AVE MONTREAL QUE	3 TCHRS
HARVEY WINONA LILLIAN 620 MERTON AVE ST LAMBERT QUE	B A 4 OR 1 1072
HARVIE CATHERINE MARY ROYAL VICTORIA COLLEGE 224 JOHN ST THORNHILL ONT	B A 1 VI 2 0829
HASAN MUHAMMAD 3419 HUTCHISON ST APT 4 MONTREAL QUE	B ENG CIV 4 VI 2 5691
HASLAM CHRISTOPHER R S 3503 PARK AVE MTL C O DOM WABANA ORE LTD WABANA NFLD	B ENG EL 4 AV 8 7991
HASLETT BENITA JANE 3630 MOUNTAIN ST MONTREAL 25 QUE	B A 3 VI 5 1076
HASLEY MICHAEL A 4632 OXFORD AVE MONTREAL QUE	B ENG 1
HATFIELD ROBERT DOUGLAS 1218 BISHOP ST MTL 287 WESTGATE CRES ROSEMERE QUE	B ENG MCH 3 UN 1 8052
HATT MARK LIVINGSTON 383 GENEVA CRES MTL KINGSTON N S	D D S 3 RE 8 1656
HAUGESTAD PER T 4911 FULTON ST MONTREAL QUE	M A 1 RE 7 1577
HAUSNER ROBERT ALLAN 3258 THE BOULEVARD MONTREAL QUE	B COM 2 WE 3 6104
HAUVER TAIT B MACDONALD COLLEGE BOX 220 KNOWLTON QUE	3 TCHRS
HAVENS DOUGLAS LORIS DOUGLAS HALL 287 ERIE ST S LEAMINGTON ONT	B SC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HAWALESHKA OSTAP 6010 31ST AVE MONTREAL 36 QUE	B ENG MCH 4 RA 8 7943
HAWES MARJORIE E 31 PRINCE EDWARD VALOIS QUE	P E DIP 1
HAWKE LOIS ELLEN BOX 500 MACDONALD COLLEGE BOX 207 FARNHAM QUE	B SC H EC 4
HAWKINS HERBERT ROBERT 103 MORRISON AVE TOWN OF MT ROYAL QUE	B COM 3 RE 1 5815
HAWKINS KATHLEEN 5225 HUTCHISON ST MONTREAL QUE	MD CM 2 CR 7 8673
HAWKINS WILLIAM MAXWELL 5880 COTE STE ANTOINE RD MONTREAL QUE	PH D 3 HU 9 4741
HAWLEY RICHARD L 3466 SHUTER ST APT 304 4320 WESTWAY PL DALLAS TEXAS U S A	PARTIAL AV 8 1653
HAWORTH LORNA HELEN 5104 O BRYAN AVE MONTREAL QUE	M A 2 HU 9 6762
HAY BRUCE Q GEN DELIVERY LACHUTE QUE	B SC AGR 1
HAY DONALD ROBERT 3485 MCTAVISH ST MTL 365 BEDARD BLVD LACHUTE QUE	B ENG MET 3 VI 9 0141
HAY ROBERT EARL 52 ACADEMY RD APT 301 124 BEVERLEY ST KINGSTON ONT	M SC 1 WE 3 3051
HAY ROGER MACLEAN 103 ANGELL AVE BEACONSFIELD QUE	B ENG 2
HAYDEN DAVID EDWARD P 47 PERRAULT AVE STE ANNE DE BELLEVUE QUE	MD CM 3
HAYDEN JUDITH M ROYAL VICTORIA COLLEGE 165 BURILL ST SWAMPSCOTT MASS USA	PHYSIOTH 1 VI 9 0993
HAYES FRANCIS JOSEPH 2014 CONNAUGHT AVE MONTREAL QUE	PH D 4
HAYES JAMES CURTIS 227A BOUERI ST JEAN QUE	PH D 3
HAYES MARILYN SARA 5668 NOTRE DAME DE GRACE MONTREAL QUE	B A 1 HU 6 8706
HAYES ROSE E 975 DUNRAVEN RD TOWN OF MT ROYAL QUE	B ENG 1 RE 8 7147
HAYLEY HARRY CLARK 1947 ST LUC ST MTL 100 CONA ST OTTAWA ONT	B ENG 1
HAYNES MARY C 566 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 1761
HAYWARD NORMAN A 40 FUNSTALL AVE SENNEVILLE QUE	3 TCHRS
HAZAN DAVID V 467 COTE ST ANTOINE RD WESTMOUNT QUE	B COM 1 HU 8 6247
HAZAN GIACOMO J 3440 COTE DES NEIGES RD MONTREAL QUE	B ENG 2
HAZEN MARY SANDRA TEED MCLENNAN HALL BOX 122 LANCASTER N B	PHYSIOTH 3 VI 2 0044
HAZLETT GWENDOLYN C 3503 ADDINGTON AVE MONTREAL 28 QUE	M L S 2 HU 4 3887
HEAL JUDITH A 4153 MARLOWE AVE MONTREAL 28 QUE	H S D DIP HU 1 8964
HEALEY EDWARD PATRICK 6300 LENNOX AVE MTL 34 YATES AVE WATERBURY CONN U S A	MD CM 4 RE 8 2557
HEALEY LAWRENCE A BRITTAIN HALL 6808 BOYER ST MONTREAL 10 QUE	B ED 1
HEAPS LEO JACK 323 MELVILLE AVE MONTREAL QUE	M A 1 WE 2 8287
HEARD CHARLES WILLIAM K 4806 WILSON AVE MONTREAL 29 QUE	B A 4 HU 4 0577
HEATON JOAN W MACDONALD COLLEGE ST FELIX DE VALOIS	B SC AGR 1
HEBB JANE NICHOLS 63 NELSON ST MONTREAL WEST QUE	B A 2 HU 4 8225
HEBERT FRANCOIS 201 METCALFE AVE MONTREAL 6 QUE	MED DIPL 2 WE 5 1370
HEBERT JACQUES R 68 PRINCE ARTHUR APT 19 ST WENCESLAS CO NICOLET QUE	B ENG MCH 3
HECKELSMUELLER HASSO F W 3547 DUROCHER ST APT 5 MONTREAL QUE	B C L 3
HEDBERG DAVID L 4960 MAPLEWOOD AVE APT 1 40 DRURY LANE WORCHESTER MASS U S A	MD CM 3 RE 3 4707
HEENAN ROY MICHAEL LACAUD 690 SHERBROOKE ST W MTL 439 VICTORIA AVE	B C L 2 AV 8 2247
HEENEY PATRICIA JANE ROYAL VICTORIA COLLEGE 428 BUENA VISTA RD OTTAWA ONT	B A 3 VI 2 0180
HEENEY STEPHEN H 326 PORTLAND AVE TOWN OF MT ROYAL QUE	B A 1 RE 3 3076
HEFT MELVYN 3605 RIDGEWOOD AVE APT 506 MONTREAL QUE	D D S 3 RE 7 3428
HEITIN LEONARD ARTHUR 780 MARLBORO DR TOWN OF MT ROYAL QUE	B ENG 1 RE 8 9785
HELAL KENNETH J 1285 REGENT RD TOWN OF MT ROYAL QUE	B A 1 RE 7 4224
HELD ROBERT E 3483 PEEL ST MTL 1286 PRESIDENT ST BROOKLYN 13 N Y U S A	B COM 1 VI 2 0882
HELLAND RUSSELL E 6571 MONKLAND AVE MTL 32 DRURY ST KAPUSKASING ONT	B ARCH 2 HU 6 1043

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HELLE STEPHEN JOSEPH QUEEN MARY VETERANS HOSP 5210 RANDALL AVE APT 4 MONTREAL 29 QUE	MED DIPL 2 HU 9 2495
HELM SHIRLEY G L A MACDONALD COLLEGE 35 HUNTER ST HUNTINGDON QUE	3 TCHRS
HEMNANI SUNDER LAL 3506 UNIVERSITY ST MTL 98 P B CALONY PATIALA PB INDIA	B ENG 2 VI 4 0624
HEMPEL KLAUS F K 1225 BERNARD AVE APT 11 MONTREAL QUE	B ARCH 1 CR 6 7635
HENDELMAN WALTER J 5224 SARANAC AVE MONTREAL QUE	MD CM 2 HU 1 9681
HENDERS PATRICIA A 2398 PARK ROW WEST MONTREAL 28 QUE	B SC P ED 3
HENDERSON BEVERLY ANN 270 SHERATON DR MONTREAL WEST QUE	B A 1 HU 9 5950
HENDERSON DEREK S 431 WOOD AVE WESTMOUNT QUE	B SC 1 WE 3 5362
HENDERSON DONALD A 4559 MARCIL AVE MONTREAL 28 QUE	B SC 1 HU 8 3890
HENDERSON DONALD BAXTER 431 WOOD AVE WESTMOUNT QUE	B ENG 2 WE 3 5362
HENDERSON IAN ALEXANDER 5171 MARIETTE AVE MONTREAL QUE	B ENG 2 HU 6 5136
HENDERSON KENNETH ARTHUR 630 ARGYLE AVE VERDUN QUE	B ENG MCH 5 PO 8 7991
HENDERSON PATRICIA M 4559 MARCIL AVE MONTREAL QUE	B SC 4 HU 8 3890
HENDERSON SHIRLEY J STEWART HALL 7815 ROUX ST MONTREAL 5 QUE	2 TCHRS 1
HENDERSON VIVIAN GEORGIA MACDONALD COLLEGE BOX 51 SAWYERVILLE QUE	3 TCHRS
HENDRICKS JOHN L 1469 DRUMMOND ST APT 30 MONTREAL QUE	M ENG 1 AV 8 8600
HENDRY DONALD ROSS 447 ELM AVE WESTMOUNT QUE	M A 1 WE 2 2920
HENNEBERRY GERALD O 7 GLENALADALE TERRACE P O BOX 71 MACDONALD COLLEGE QUE	PH D 7
HENNIGER JAMES PERRY WILSON HALL BROCKVILLE ST SMITHS FALLS ONT	B SC 3 VI 4 0624
HENNING GAIL P 1320 LOMBARD CRES APT 54 MONTREAL 16 QUE	B SC 2 RE 7 7940
HENRI NORMAN L 1290 PINE AVE W MTL BOX 106 HANEY B C	B COM 4 VI 2 6041
HENRIKSEN NORMAN R DOUGLAS HALL 13 PARK ST EXT ST JOHN N B	B SC 1 VI 9 9187
HENRY DOREEN H 3435 MONTCLAIR AVE MONTREAL 28 QUE	H S D DIP HU 4 7120
HENRY JAMES H 7291 9TH AVE VILLE ST MICHEL QUE	B ENG 2 RA 2 5525
HENSON PHILLIP JAMES 108 SELBY ST WESTMOUNT QUE	B ENG 2 WE 2 4445
HENTSCHEL ROBERT ELLIOTT 3510 LORNE AVE APT 3 MTL 625 STATE ST OGDENSBURG N Y USA	MD CM 4 VI 4 8967
HEPPNER CHRISTOPHER A 135 CLANDEBOYE AVE WESTMOUNT QUE	M A 2 WE 5 4210
HEPWORTH CAROL 1960 ST JOSEPH ST LACHINE QUE	M S W 1 ME 7 6185
HERBERT STEPHEN W 4687 CARLTON AVE MONTREAL 26 QUE	B SC 1 RE 7 7869
HERDER BARBARA ELIZABETH ROYAL VICTORIA COLLEGE	B SC 3 VI 9 0858
HERLAND ADRIAN 4137 ESPLANADE AVE APT 11 MONTREAL 18 QUE	B ENG COM 5 AV 8 5775
HERMAN ERIC I 281 DUFFERIN RD HAMPSTEAD QUE	B COM 1 HU 8 7725
HERMAN WENDY RUTH ROYAL VICTORIA COLLEGE 274 FOREST HILL RD TORONTO ONT	B A 1 VI 2 0597
HERMITAGE LINDA MAY 495 VICTORIA AVE WESTMOUNT QUE	B SC 2 WE 7 1079
HERNANDEZ CAMPOS OSWALDO 3433 DUROCHER ST MONTREAL QUE	B ENG 1
HERON MARY LEIGH 122 SIMCOE AVE TOWN OF MT ROYAL QUE	B SC N 2 RE 7 5028
HERRON ALEXANDER WILLIAM 3581 MARLOWE AVE MONTREAL 28 QUE	B A 2 HU 8 8545
HERSHENFIELD EARL M 4710 VEZINA ST MONTREAL QUE	B SC 1 RE 7 7415
HERSCOVITCH C LIONEL 2940 BRIGHTON AVE APT 5 MONTREAL QUE	D D S 3 RE 7 9713
HERSCOVITCH HARVEY 5352 PARK AVE APT 17 MONTREAL QUE	B ENG COM 5 CR 1 7576
HERSHCOVITCH PETER 4077 MARCIL AVE MONTREAL QUE	B ENG 1 HU 1 5379
HERSHEY SUSAN JOAN ROYAL VICTORIA COLLEGE 1098 WESTERN AVE ALBANY N Y USA	B SC N 2 VI 2 0598
HERZBERG MARY O 1080 DUNFRIES RD TOWN OF MT ROYAL QUE	B C L 1 RE 8 1321
HERZIG SHEILA 861 DOLLARD AVE MONTREAL QUE	B A 2 CR 2 7956
HESELTINE ELISABETH ROYAL VICTORIA COLLEGE 350 E 30TH ST NEW YORK N Y USA	B SC 3 VI 2 0265

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HESLOP DOUGLAS 120 DUFFERIN RD HAMPSTEAD QUE	B C L 3 HU 9 3130
HETHERINGTON GEORGE F 84 VICTORIA AVE POINTE CLAIRE QUE	B ENG CH 4
HETZECK ALEXANDER T 3430 DRUMMOND ST MTL 2690 DORIS AVE DETROIT 38 MICH U S A	MD CM 1 VI 2 0789
HEUSER GUNNAR 5947 DECELLES AVE MONTREAL QUE	MED DIPL 4 RE 7 6974
HEWETT ANNE C STEWART HALL 222 BLYTHWOOD RD TORONTO ONT	P E DIP 2
HEWETT CHRISTOPHER H 42 BRENTWOOD RD BEAUREPAIRE QUE	2 TCHRS 1
HEWLETT STEWART A 5822A PLANTAGENET PL MONTREAL 26 QUE	PARTIAL RE 7 9181
HEWSON JOHN RANDALL 4570 MAYFAIR AVE MONTREAL QUE	B SC 1 HU 6 9835
HIBBERT JEAN E STEWART HALL ANCHOVY P O JAMAICA T W I	B SC AGR 1
HICKEY ERIC CAMPBELL 4014 MARCIL AVE MONTREAL 28 QUE	D D S 2 HU 9 7409
HICKIE GUY HEWSON 655 MITCHELL AVE TOWN OF MT ROYAL QUE	B SC 2 RE 7 6911
HICKS ARTHUR MICHAEL MACDONALD COLLEGE 421 LAURIER ST E OTTAWA ONT	B SC AGR 4
HICKS BRENDA C STEWART HALL 1498 17TH ST CHARNY QUE	2 TCHRS 2
HICKS DOUGLAS G MACDONALD COLLEGE 2370 MADISON AVE MONTREAL QUE	H S D DIP
HICKS RUBY LAUREEN 647 VICTORIA AVE WESTMOUNT QUE	B A 1 HU 8 7938
HICKSON MARGARET L 428 LANSDOWNE AVE WESTMOUNT QUE	B A 2 WE 7 1830
HIDAKA TERUKO 204 PINE AVE EAST MTL 3579 HUTCHISON ST MONTREAL QUE	PARTIAL VI 2 4466
HIGGINS EDWARD CONDON 4650 BESSBOROUGH AVE MONTREAL QUE	B ENG CIV 4 HU 4 1242
HIGGINS LEONARD MICHAEL 357 KENSINGTON AVE WESTMOUNT 6 QUE	MD CM 2 WE 7 8121
HIGGINS LINDA JANE ROYAL VICTORIA COLLEGE WESTFIELD CENTRE KING S CO N B	B A 1 VI 2 0327
HIGGS PETER DAVID 538 CHESTER AVE TOWN OF MT ROYAL QUE	B ENG CH 3 RE 8 4397
HILDEBRAND ALVIN FISHER 6991 SOMERLED AVE MONTREAL QUE	MED DIPL 2 HU 1 2374
HILL ALAN STANLEY DOUGLAS HALL 352 8TH ST SHAWINIGAN FALLS QUE	B ENG 2 VI 4 0977
HILL DONNA NANCY 7390 OUIMET ST MONTREAL 19 QUE	B A 2 PO R 5119
HILL HAZEL ANDREA 87 STERLING AVE VILLE LA SALLE QUE	B SC 1 ME 7 9806
HILL JOAN E 14 LA MARCHE ST STE ANNE DE BELLEVUE QUE	H S D DIP
HILL JOAN M 1500 CRESCENT ST APT 201 MONTREAL QUE	B L S 1 VI 4 9189
HILL PATRICIA ALLEN MACDONALD COLLEGE 2545 EDWARD ST REGINA SASK	B SC H EC 4
HILL ROBERT ANDREW 4151 HARVARD AVE MONTREAL QUE	B ED 3 HU 6 1851
HILL ROSS OGILVIE 4545 ROYAL AVE MONTREAL QUE	MED DIPL 3
HILLS THEODORE LEWIS 7 LOGAN ST ST LAMBERT QUE	PARTIAL OR 1 2367
HILTON JAMES VALERIE E 753 LANSDOWNE AVE WESTMOUNT QUE	B A 2 HU 6 5102
HILTON SANDRA E STEWART HALL 24 BELMONT AVE OTTAWA ONT	B ED P ED 1
HIMAL HARRY 4740 LACOMBE AVE MONTREAL QUE	B A 4 RE 9 1054
HINDS ROSALIE A BOX 95 MACDONALD COLLEGE BARKING LODGE P O JAMAICA T W I	M SC 1
HINDS SHIRLEY E MACDONALD COLLEGE 34 JEININGHAM AVE BELMONT P O S TRINIDAD T W I	B SC H EC 1
HINTON PETER HERBERT 3434 MCTAVISH ST MTL 34 LENNOX GDS LONDON S W I ENGLAND	B ENG CIV 4 VI 2 4492
HINTON RICHARD MICHAEL 475 PINE AVE W MTL 54 DE LA STATION ST JANVIER QUE	B SC 2 VI 4 4270
HIPMANN GUDRUN 2051 DORCHESTER ST W APT 3 MONTREAL QUE	PARTIAL WE 3 5966
HIPSON JANET M 7311 OUIMET ST VERDUN QUE	3 TCHRS
HIRSH HARVEY 6375 CHESTER AVE MONTREAL QUE	B SC 2 HU 1 1243
HISCOX HUGH KEITH 3506 UNIVERSITY ST MTL 306 MAIN ST OTTAWA ONT	B ARCH 2 VI 4 0624
HITZIG MILDRED 43 PERRAULT AVE STE ANNE DE BELLEVUE 589 ROCKLAND AVE MONTREAL QUE	3 TCHRS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HJALSTED FINN 3615 RIDGEWOOD AVE APT 501 MTL CONSTANTIAVEJ 10 RUNGSTED KYST DENMARK	L L M 1 RE 1 1579
HLA KYAW 3615 UNIVERSITY ST APT 4 MONTREAL QUE	M ENG 2 VI 4 0888
HO CHI WAI LOUIS 4352 DECARIE BLVD MTL 518 NATHAN RD KOWLOON HONG KONG	B ENG CIV 3 HU 9 7638
HO PO WING 3537 SHUTER ST MTL 29 HILLWOOD RD 2ND FL KOWLOON HONG KONG	B ENG CIV 4
HOCH YVETTE 7045 QUERBES AVE MONTREAL QUE	B SC 1 CR 6 0896
HOCKIN EDNA R STEWART HALL 950 ST AUBIN VILLE ST LAURENT	2 TCHRS 2
HODGE WILLIAM G 2485 MAPLEWOOD AVE APT 5 MONTREAL QUE	B L S 1 RE 3 4731
HODGES WILLIAM SPENCER 228 VERCHERES ST GREENFIELD PARK QUE	B ENG CH 5 OR 1 2537
HODGINS DOROTHY JEAN MACDONALD COLLEGE P O BOX 242 SHAWVILLE QUE	B SC H EC 4
HODGSON CHARLES 18 EDGEHILL RD MONTREAL 6 QUE	M SC 1 HU 1 2926
HODGSON ROBERT L K BRITTON HALL MACDONALD COLLEGE STE MARTHE CO VAUDREUIL QUE	AGR DIP 1
HODSDON JEAN E 1592 PINE AVE W MTL 829 WINDERMERE AVE TORONTO ONT	B SC N 2 WE 3 0779
HOEDEMAKER FREDERICK S 3625 RIDGEWOOD AVE APT 207 MTL 4404 55TH AVE N E SEATTLE 5 WASH USA	MD CM 4 RE 7 7585
HOEKSTRA PIETER P O BOX 44 MACDONALD COLLEGE SARPHATIPAK 22 AMSTERDAM HOLLAND	M SC 1
HOFER EUGENE 11845 ST GERMAIN BLVD CARTIERVILLE QUE	B ENG EL 3 RI 4 3955
HOFFMAN JOHN CHARLES 3205 ELLENDALE AVE APT 6 MONTREAL QUE	B D 3 RE 3 5195
HOFFMAN TERRENCE WILLIAM 52 ALBERT ST DUNDAS ONT	PH D 4
HOFMANN HANS JORG 2672 ST ZOTIQUE ST E MONTREAL QUE	M SC 1 RA 2 5563
HOGAN RALPH WILLIAM 2244 MELROSE AVE MONTREAL 28 QUE	B ENG 2 HU 4 9469
HOGARTH DONALD DAVID 443 ECHO DR APT 5 OTTAWA ONT	PH D 3
HOGG WILLIAM ALFRED C O QUEBEC DEPT OF MINES RM 9 LARIVIERE BLDG ROUYN QUE	PH D 4
HOK ROLAND 428 SHERBROOKE ST W APT 25 MTL 6807 RIDGE BLVD BROOKLYN 20 N Y U S A	MD CM 4 AV 8 6466
HOLCOMB ROBERT TELFORD 3427 HARVARD AVE MONTREAL QUE	B ENG MCH 4 HU 6 5418
HOLDWAY CHARLES E 32 LINWOOD CRES MTL 2075 NIAGARA DRIVE OTTAWA ONT	PARTIAL RE 8 8307
HOLLIER CAROLYN MARGARET MACDONALD COLLEGE 130 49TH AVE LACHINE QUE	B SC H EC 4
HOLLIS ANTHONY WOLCOTT L 3473 UNIVERSITY ST MTL KENT AVE DEVONSHIRE BERMUDA	B SC 2
HOLLIS REGINALD 3473 UNIVERSITY ST MONTREAL QUE	S T M 3 VI 4 1675
HOLMES STANLEY L MACDONALD COLLEGE AYER S CLIFF QUE	AGR DIP 1
HOLMES WILLIAM EDWARD DOUGLAS HALL 2330 DOWNING ST DENVER COLO U S A	D D S 2 AB 8 9497
HOLNESS DONALD EVERSON MACDONALD COLLEGE CHRISTIANA JAMAICA B W I	B SC AGR 2
HOLT PATRICIA ANN ROYAL VICTORIA COLLEGE 872 MAIN ST EAST HAMILTON ONT	B SC 4 VI 2 0477
HOLTVED CARL JOHN JOSEPH 4167 BEACONSFIELD AVE MONTREAL QUE	B ENG 2 HU 9 7137
HOLTZMAN ANITA CONSTANCE 5865 DECELLES PL APT 11 MONTREAL QUE	B SC 4 RE 7 0661
HOLTZMAN DIANE LOVIA 4549 HAMPTON AVE MONTREAL 28 QUE	PHYSIOTH 3 HU 1 1073
HONIG CECILE DORIS 5365 COOLBROOK AVE MONTREAL QUE	B A 4 HU 9 5860
HONTZEAS SOTIRIOS 8915 ST URBAIN ST APT 3 MONTREAL QUE	PH D 2 DU 9 9992
HOOKER LYNDON GEORGE MACDONALD COLLEGE ORMSTOWN STATION QUE	PARTIAL
HOOKER MARY C MACDONALD COLLEGE ORMSTOWN STATION QUE	B SC H EC 1
HOOSEN SALIM 3736 JEANNE MANCE ST MTL 281 HENNESSY RD TOP FL HONG KONG	B SC 2 VI 2 0438
HOPKINS CHARLES A 52 JUPHOPE ST ESPANOLA ONT	B ENG 1
HOPKINS EDWARD A 426 SHERBROOKE ST APT 5 328 FAIRMONT AVE OTTAWA ONT	B ENG 2
HOPKINS FLORENCE M 1208 ST MARK ST MONTREAL QUE	B SC 2 WE 5 8523

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HOPKINS PAUL FRANCIS 3473 UNIVERSITY ST MTL 227 GLENHOLME AVE MONTREAL QUE	B D 3
HOPMEYER STANLEY MARCUS 3624 DECARIE BLVD MONTREAL QUE	B COM 4 HU 6 4589
HOPPENHEIM BEREL HARRY 2497 GOYER ST MONTREAL QUE	B SC 4 RE 7 3872
HOPSON DANA LEIGH 5230 HAMPTON AVE MONTREAL QUE	B A 2 HU 1 9289
HORAN WILLIAM NICHOLAS 3851 UNIVERSITY ST MTL 33 CASTLE FRANK CRES TORONTO ONT	B SC 3
HOREN ANNA N 5104 JEANNE MANCE ST MONTREAL QUE	3 TCHRS CR 4 0801
HORN IRVING HAROLD 4020 MAPLEWOOD AVE APT 7 MONTREAL QUE	MED DIPL 2 RE 1 0987
HORNE DONALD STANLEY M 220 ELM AVE APT 2 WESTMOUNT QUE	B SC 2 WE 3 6832
HORNE JOHN 3431 DRUMMOND ST MONTREAL QUE	B COM 3 VI 9 0243
HOROVITCH GERALD W 5196 MARIETTE AVE MONTREAL QUE	B ARCH 4 HU 8 0987
HOROVITZ JOEL HERBERT 3741 HUTCHISON ST APT 1 219 SECOND ST W CORNWALL ONT	B A 1
HOROVITZ WILLIAM BELA 6115 DE VIMY AVE MONTREAL QUE	M A 2 RE 3 5258
HOROWITZ GAD 4687 LACOMBE AVE MONTREAL QUE	M A 1 RE 7 0600
HOROWITZ ISADORE 641 SMART AVE MONTREAL 29 QUE	MD CM 1 HU 4 5541
HOROWITZ YIGAL SHALOM 4687 LACOMBE AVE MONTREAL QUE	B SC 2 RE 7 0600
HORSEY MARY 3460 WEST BROADWAY AVE MONTREAL 28 QUE	PARTIAL HU 6 5544
HORSKY GABRIELLE E 1575 SUMMERHILL MONTREAL QUE	PARTIAL WE 7 4396
HORSMAN BRYCE ELDON 1601 GRAHAM BLVD APT 12 TOWN OF MT ROYAL QUE	B ENG CIV 4 RE 7 2534
HORTON GEORGE 645 PRINCE ARTHUR ST APT 11 MONTREAL QUE	B A 1
HORWOOD ROBERT TEMPLE 3592 UNIVERSITY ST MTL C O INDIAN ALUMINUM CO CHOWRINGHEE RD CALEVTTA INDIA	B ENG MCH 3 VI 2 2435
HOSEIN ANDREW ALI 620 PRINCE ARTHUR ST W 27 CORONATION ST ARANJUEZ ESTATE SAN JUAN TRINIDAD T W I	MD CM 3 VI 9 7406
HOSEIN ROBERT WOLSELEY O 3445 PEEL ST MONTREAL 2 QUE	B ENG MCH 4 VI 5 9462
HOUBEN VIRGINIA L 22 LEGAULT ST STE ANNE DE BELLEVUE 838 SECOND AVE VERDUN QUE	2 TCHRS
HOUDE BERNARD JOSEPH G H 3542 LORNE AVE APT 4 MTL 77A VICTORIA VALLEYFIELD QUE	B ENG CIV 5 AV 8 8050
HOUDE LOUISE MARTHA 372 CLARKE AVE WESTMOUNT QUE	PHYSIOTH 4 WE 7 4306
HOUGHLAND DAVID URBAN 423 CHESTER AVE TOWN OF MT ROYAL QUE	B ENG MCH 3 RE 7 6329
HOUGHTON DAVID EDWARD 3434 MCTAVISH ST MTL BOX 210 WINDSOR MILLS QUE	B ENG EL 4 VI 2 4492
HOUGHTON JOHN C 3705 COTE VERTU RD VILLE ST LAURENT QUE	B ENG 2 RI 7 1284
HOUGHTON WILLIAM THOMAS 300 SHERBROOKE ST W MTL 44 BURPEE ST EDMUNDSTON N B	B ENG CH 5 VI 2 0590
HOULE JOSEPH J M G 3813 LAFONTAINE ST MONTREAL 4 QUE	M C L 4 LA 3 4111
HOURSTON LOUISE E 5455 DUPUIS AVE MONTREAL QUE	2 TCHRS 2 RE 8 9261
HOUSTON DIANA 50 STE ANNES ST STE ANNE DE BELLEVUE 4823 DE TONTY ST MONTREAL 36 QUE	2 TCHRS 1
HOWARTH BARRY ARTHUR 31 ST ANTOINE ST LONGUEUIL 850 AUSTIN RD NEW WESTMINSTER B C	B ENG PHY 5 OR 4 0931
HOWE JOHN WORCESTER 64 ROSELAWN CRES MONTREAL 16 QUE	M ENG 1 RE 7 4985
HOWELL DORA IRENE 4905 PATRICIA AVE MONTREAL 29 QUE	2 TCHRS 1 HU 6 9320
HOWICK STEPHEN ANDREW 51 VIVIAN AVE MONTREAL 16 QUE	B SC 1 RE 8 9001
HOWITT FRANCIS 5550 COTE ST LUC RD APT 16 MONTREAL QUE	M ENG 2 HU 9 4644
HOWITT PATRICIA 5550 COTE ST LUC APT 26 MONTREAL QUE	B A 3 HU 9 4644
HOWLAND PETER ARDEN 3466 MCTAVISH ST MTL 189 ALLWOOD DR ROCHESTER 17 NEW YORK U S A	MD CM 2 AV 8 9533
HOWLETT CHRISTINA A L 528 PRINCE ARTHUR ST W R R 1 LAMBETH ONT	B L S 1 RE 1 4798
HOWLETT MARILYN C 3239 APPLETON AVE MONTREAL QUE	B C L 1 RE 3 3574
HOWSE JOHN BERESFORD 4301 BENNY AVE MTL 67 ADAMS ST COOTAMUNDRA N S W AUSTRALIA	B SC 4 HU 6 0737
HOYT DOROTHY E STEWART HALL 36 PRINCE ST HUNTINGDON QUE	2 TCHRS 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HOYT GAIL S STEWART HALL MACDONALD COLLEGE P O BOX 329 MONTEGO BAY JAMAICA B W I	B SC H EC 1
HRADECKY PAULA HELENA 5098 WEST BROADWAY MONTREAL QUE	B SC 1 HU 9 4133
HRYNIOWSKI DANNY BOHDAN 40 8TH AVE VILLE LA SALLE QUE	B ENG MCH 4 PO 8 7664
HSU JOHN DEREK WEI SHENG 3610 DUROCHER AVE APT 18 150 DRIVEWAY OTTAWA 4 ONT	MD CM 2 VI 9 4479
HTAY MAUNG THAN 3637 OXENDEN AVE MTL C O 248 251 36TH ST RANGOON BURMA	M SC 1 VI 9 0504
HUARD JEAN P 1320 LOMBARD CRES MTL 248 ST ALPHONSE W THETFORD MINES QUE	B ENG MI 4 RE 3 2228
HUBAR REUBEN DAVID 5837 MCLYNN AVE MONTREAL 29 QUE	D D S 4 RE 3 2180
HUBERMAN CAROL 772 MCEACHRAN AVE OUTREMONT QUE	B SC 2 CR 9 9496
HUBERMAN MIRIAM 772 MCEACHRAN AVE OUTREMONT QUE	B A 3 CR 9 9496
HUBLER BENO 5355 VICTORIA AVE APT 2 OJMANBEY RUMELLI CAD 81 3 ISTANBUL TURKEY	B SC 2
HUBSCHER SHAYNA 318 BROOKFIELD AVE MONTREAL 16 QUE	B SC 1 RE 3 2207
HUCKINS CLAIRE 2039 MCGILL COLLEGE AVE APT 24 MTL 36 APPLETON AVE BEVERLY MASS U S A	M SC 1 AV 8 4624
HUDDLESTON MARILYN G ROYAL VICTORIA COLLEGE 74 CRESTVIEW AVE BELLEVILLE ONT	PHYSIOTH 2
HUDSON DESMOND F 5649 MCLYNN AVE MTL 901 LAVOISIER ARVIDA QUE	B ENG COM 5 RE 3 9667
HUDSON LESLIE CLAIRE MCLENNAN HALL 131 PORTLEDGE AVE MENCTON NEW BRUNSWICK	PHYSIOTH 3 VI 2 0044
HUDSON RUTH F A STEWART HALL 110 RENFREW AVE OTTAWA ONT	B ED 1
HUECKEL HANS J MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
HUGHES DAVE A 337 LAIRD BLVD TOWN OF MT ROYAL QUE	B SC AGR 1 RE 3 3606
HUGHES DOUGLAS IRA 4110 MADISON AVE MONTREAL 28 QUE	B ENG EL 3 HU 6 4400
HUGHES GWYNNETH E 68 BROCK AVE N MONTREAL W QUE	B A 1 HU 4 0653
HUGHES JAMES MCDOWELL 4665 GROSVENOR AVE MONTREAL QUE	B COM 1 HU 1 3941
HUGHES KATHRYN ANNE 760 43RD AVE LACHINE QUE	PHYSIOTH 3 ME 7 8889
HULL BARRY GORDON 369 MORRISON AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 8 4415
HUMPHREY GAIL J 4640 ROSLYN AVE MONTREAL QUE	PARTIAL HU 6 7713
HUMPHRYS GRAHAM 2064 MCGILL COLLEGE AVE APT C MONTREAL QUE	PH D 3
HUNGERFORD MARILYN BERYL 142 BROUGHTON RD MONTREAL WEST QUE	PHYSIOTH 3 HU 6 4767
HUNT DELIA A 1028 STE ANNE ST STE ANNE DE BELLEVUE 338 ROSLYN AVE WESTMOUNT QUE	H S D DIP
HUNTER CHARLES GRANT 5245 COTE ST CATHERINE APT 14 MTL 645 WELLER ST PETERBOROUGH ONT	B COM 3 RE 7 3567
HUNTER GLADYS M F APT B5 MACDONALD COLLEGE QUE	3 TCHRS
HUNTER JOHN GERALD 3416 PATRICIA AVE APT 8 MONTREAL QUE	PH D 2 HU 8 0129
HUNTER MARY JUDITH ROYAL VICTORIA COLLEGE 2714 MARQUETTE ST CALGARY ALTA	B SC 3 VI 2 0847
HUNTER TYNE ELIZABETH MACDONALD COLLEGE 136 MOORE PARK AVE WILLOWDALE ONT	B SC H EC 2
HUNTING CARLTON GLYN 3851 UNIVERSITY ST MTL CIA SHELL DE VENEZUELA APARTADO 809 CARACAS VENEZUELA	B ENG 1
HURLEY JOSEPH EDWARD 1516 PINE AVE WEST MONTREAL QUE	B ENG CH 5 WE 5 0405
HURLEY MARTHA ELLEN ROYAL VICTORIA COLLEGE 45 WARREN ST LENNOXVILLE QUE	B SC 1 VI 2 0517
HUTCHESON JOHN A WILSON HALL 117 CHATSWORTH RD TORONTO ONT	B ENG 2
HUTCHINGS ARLENE M STEWART HALL 47 BROADVIEW AVE VALOIS QUE	P E DIP 2
HUTCHINSON ALAN APT C 19 MACDONALD COLLEGE QUE	B ENG CH 5
HUTCHISON JAMES WILLIAM 3485 MCTAVISH ST MTL P O BOX 77 DESCHENES QUE	B A 4 VI 2 4058
HUTCHISON JOHN DENNIS 620 GRAHAM BLVD TOWN OF MT ROYAL QUE	B ENG CH 3 RE 7 6788
HUTCHISON ROBERT ANDREW 764 LANSDOWNE AVE WESTMOUNT QUE	B A 2 HU 6 1807
HUTCHISON WILLIAM B 2071 GREY AVE MONTREAL 28 QUE	B A 2 HU 4 8191

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HUTCHISON WILLIAM G 3482 MCTAVISH ST MTL 14 EDENBRIDGE DR TORONTO 18 ONT	B ENG EL 3 VI 4 0589
HUTTON HARVEY JONATHAN 625 VICTORIA AVE WESTMOUNT QUE	B ENG MI 4 HU 9 3131
HUYGHUES DESPOINTES RENE 3625 RIDGEWOOD AVE APT 501 MTL 1 SQUARE DE PORT ROYAL PARIS X111 FRANCE	PH D 3 RE 1 2942
HYDE CLARKE TANEDA D 930 44TH AVE LACHINE QUE	B SC 2 ME 7 4728
HYDE PETER BERNARD MILLER 3066 TRAFALGAR AVE MONTREAL QUE	B A 2 WE 2 2785
HYDE ROBERT L DOUGLAS HALL 1215 E 18TH ST THE DALLES OREGON USA	MD CM 1 VI 9 6409
HYDER SYED SALAHUDDIN 4090 MACKENZIE ST MONTREAL QUE	PH D 2
HYKAWY JENNIE STEWART HALL 2218 PAPINEAU ST VILLE JACQUES CARTIER QUE	B ED 1
HYKAWY JOHN 2218 PAPINEAU ST VILLE JACQUES CARTIER QUE	B SC 2 OR 7 1618
HYMER BENNETT BERNARD 5980 DECELLES AVE MONTREAL QUE	B A 4 RE 3 4312
HYMSON ELEANOR 5509 ROSEDALE AVE COTE ST LUC QUE	3 TCHRS HU 8 7231
HYNDMAN JANET MCCRAE ROYAL VICTORIA COLLEGE 614 ELBOW DR CALGARY ALTA	B A 3 VI 2 0526
HYNDMAN MARTHA ELIZABETH MACDONALD COLLEGE BOX 136 KEMPTVILLE ONT	B SC H EC 2
HYRCHA MICHAEL 6885 45TH AVE MONTREAL 36 QUE	B COM 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
IANCO ANITA DENISE 2366 FULTON RD TOWN OF MT ROYAL QUE	B A 3 RE 1 5286
IBARRA NINO A ROYAL VICTORIA COLLEGE ALMACEN CORONA PAMPLONA COLOMBIA	B SC 1 VI 2 0327
IBRAHIM AYODELE 904 SHERBROOKE ST W MTL 25 DADDY ALAJA ST LAGOS NIGERIA	B ENG CIV 3 VI 9 0887
IGNATIEFF MIKIA V ROYAL VICTORIA COLLEGE BEECHMORE RICHMOND QUE	B A 3
IHNAT MILAN 2004 ST DOMINIQUE ST MONTREAL 18 QUE	B SC 1 VI 9 3148
IKEGAMI JANET M STEWART HALL 6530 LEMAY ST MONTREAL 36 QUE	2 TCHRS 2
ILIESCU CONSTANTINE R DONNER BUILDING 4391 MELROSE AVE MONTREAL QUE	M SC 2
ILOVITCH TAMARA 12 CRISTIE AVE APT 1 STE ANNE DE BELLEVUE 6722 MOUNTAIN SIGHTS AVE MONTREAL QUE	3 TCHRS
IMISON HELEN M STEWART HALL P O BOX 98 SHAWVILLE QUE	2 TCHRS 2
ING GIME 3615 CITY HALL AVE MTL 16 KING ST W COBOURG ONT	B ENG EL 3 AV 8 0571
INGERMAN DONALD 3559 UNIVERSITY ST MTL 119 E 89TH ST BROOKLYN 36 N Y USA	D D S 2
INGLIS FREDERIC GRAHAM THE LONDON HOSPITAL WHITECHAPEL LONDON E 1 ENGLAND	MED DIPL 4
INGLIS MARGARET M 3465 SIMPSON ST MTL 86 CAMBRIDGE COURT SASKATOON SASK	B N 1 WE 5 0333
INGRAHAM GEORGE WILLIAM 3500 SHUTER ST APT 1 1087 ASHMOUNT AVE OAKLAND 10 CALIFORNIA U S A	MD CM 2 VI 5 3654
INGRAM JORDAN MILES MACDONALD COLLEGE 881 RIDDELL AVE OTTAWA ONT	B SC AGR 4
INHABER HERBERT 5208 ST URBAIN ST MONTREAL QUE	B SC 1 CR 7 3394
INKPEN JAMES A 213 ST ANN S ST SYDNEY N S	B SC AGR 3
INNES BRUCE JEREMY M 3524 DUROCHER AVE APT 4 11 LIVINGSTONE RD BELLPORT N Y U S A	MD CM 3 VI 9 9846
INNES FRANK CECIL THE LORRAINE STANLEY ST APT 502 MTL ZARIA 16 MYLNE AVE DOLLAR SCOTLAND	M A 2
INOUYE LORRAINE TOMIYO 6835 11TH AVE MONTREAL 36 QUE	B SC 2 RA 2 8072
INSLEAY ALFRED D 7105 WAVERLY ST MONTREAL 14 QUE	B ED 4 CR 7 9413
IOSIPOVICI MICHAEL 4650 PLAMONDON APT 9 MONTREAL QUE	B ENG 2 RE 3 4352
IREDALE NANCY JANE STEWART HALL MACDONALD COLLEGE 99 WELLINGTON ST N WOODSTOCK ONT	B SC H EC 1
IRONY DONNA LORRAINE 5590 VICTORIA AVE MONTREAL QUE	B A 4 RE 3 6923

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NAME ADDRESS	COURSE & YEAR TEL. NO.
IRVIN JOSEPH SEDLEY 3434 MCTAVISH ST MTL 456 BUENA VISTA RD ROCKCLIFFE PARK OTTAWA ONT	B A 3 VI 2 4492
IRVING COLIN KIRKLAND 3410 ATWATER AVE MONTREAL QUE	B C L 4 WE 2 7226
IRWIN DOROTHY JUNE 2174 LINCOLN ST APT 2 WEST FRONT CORNWALL ONT	MD CM 2 WE 2 2088
IRWIN FRANCES B 130 HIGHGATE AVE POINTE CLAIRE 1 DOUGLAS AVE ST JOHN N B	M S W 2
IRWIN JUDITH C 3018 TRAFALGAR AVE MONTREAL QUE	B A 2 WE 5 5918
IRWIN RICHARD M 3018 TRAFALGAR AVE MONTREAL QUE	B SC 2 WE 5 5918
ISAAC FENOT SELAM ROYAL VICTORIA COLLEGE P O BOX 399 ADDIS ABEBA ETHIOPIA	B A 4
ISAAC OSWIN D MACDONALD COLLEGE 227 CRAWFORD ST TORONTO ONT	B SC AGR 2
ISAACS ISRAEL DAVID 1280 PINE AVE W MTL 40 COBURG ST ST JOHN N B	B A 4 VI 2 9451
ISAACSON ARNOLD HENRY 5842 HUDSON RD MONTREAL QUE	B A 4 RE 7 6406
ISAACSON JOHN W 419 PRINCE ARTHUR ST MTL 336 E CHRISTINA ST FORT WILLIAM ONT	B A 2
ISEPPI ANTONI M 3509 HUTCHISON ST APT 27 MONTREAL QUE	M ARCH 1 AV 8 9945
ISHMAEL ABDUL W 5609 ST URBAIN ST MONTREAL QUE	B A 2 CR 7 6090
ISLAM MUHAMMED F 3619 UNIVERSITY ST MTL C O ABIDMIAH VILL KALEGAGIA P O GHANIERCHER DIST TIPPERAH E PAKISTAN	PH D 3
ISRAEL ALLAN STEPHEN 3606 THE BOULEVARD WESTMOUNT QUE	B SC 3 WE 5 2976
ISRAEL ARLENE RUTH 4727 THE BOULEVARD WESTMOUNT QUE	B A 4 HU 8 0736
ISSENMAN BETTY K 7291 LASALLE BLVD VERDUN QUE	PARTIAL PO 6 5516
ISSENMAN FRANCES 14 BROWN AVE STE ANNE DE BELLEVUE 2257 GOYER ST MONTREAL QUE	3 TCHRS
IVANIER SYDNEY SEVERIN 5392 CAVENDISH BLVD MONTREAL QUE	B ENG MCH 5 HU 4 4810
IVAN SMITH ANTONY 3506 UNIVERSITY ST MTL 322 EAST 51ST ST NEW YORK 22 N Y U S A	B SC 1 VI 4 0624

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JABBARMIAN ABDUL 3420 UNIVERSITY ST MTL KANGALISEW POST SUNNA MYMENSINGH EAST PAKISTAN	PH D 2
JACK RICHARD D DOUGLAS HALL 3408 W 34TH AVE VANCOUVER 13 B C	MD CM 1
JACKSON ANN GWENDOLYN 365 GLENGARRY AVE TOWN OF MT ROYAL QUE	B SC N 2 RE 3 4444
JACKSON CHARLES IAN 3485 UNIVERSITY ST MTL 782 KING LANE LEEDS 17 ENGLAND	M SC 3
JACKSON EVELYN NORAH ROYAL VICTORIA COLLEGE P O BOX 421 GANANOQUE ONT	B A 1 VI 2 0571
JACKSON GARTH DIGBY 5490 DECARIE BLVD APT 3 MTL 525 HATLEY ST MAGOG QUE	PH D 4 HU 9 1340
JACKSON PAULINE MARGARET 10 PARKDALE AVE VALOIS QUE	B A 2
JACKSON REINER MACDONALD COLLEGE 11826 SUZOR COTE ST MONTREAL QUE	B SC AGR 1
JACOBOVITS LEON 1320 BERNARD AVE W APT 2 MONTREAL QUE	B A 4 CR 1 5994
JACOBS BETH CAROLYN 4605 LACOMBE AVE MONTREAL QUE	B A 4 RE 8 7538
JACOBS GERTRUDE MARIE T 2171 ST CATHERINE ST W APT 7 MONTREAL QUE	B SC N 2 WE 2 7802
JACOBS HARRIET L 9 ST JOSEPH ST STE ANNE DE BELLEVUE 6097 MACDONALD AVE MONTREAL QUE	3 TCHRS
JACOBS LEONARD ROSS 1660 SICARD AVE MONTREAL 4 QUE	B A 2 CL 9 7260
JACOBSEN KATHRYN L STEWART HALL 29 PREFONTAINE AVE STE AGATHE DES MONTS QUE	B ED 2
JACOBSEN MARIAN ELIZABETH ROYAL VICTORIA COLLEGE CAIXA POSTAL 2857 RIO DE JANEIRO BRAZIL	B A 3 VI 2 0847
JACOBSON NAOMI MIRIAM ROYAL VICTORIA COLLEGE 78 HAMILTON AVE HAVERHILL MASS USA	B A 4 VI 2 0334
JACOBSON STEPHEN 5358 BRODEUR AVE MONTREAL QUE	B ENG 2 HU 6 6042
JAEGGIN KENNETH W 3820 GIROUARD AVE MONTREAL 28 QUE	B ARCH 6
JAIN PUSHP LATA HUTCHISON ST APT 3 MONTREAL QUE	M A 1 VI 9 4375
JAKIN CAROL S 5 GRIER AVE APT 3 STE ANNE DE BELLEVUE 283 TAIT ST VILLE ST LAURENT QUE	3 TCHRS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JAKSI STEVE PAUL 2711 46TH ST TRACY QUE	B ENG MET 3
JAMES CHARLES W 5487 BELLECHASSE ST EAST MONTREAL QUE	3 TCHRS CL 6 6663
JAMES FRANCIS C J BRITTAIN HALL 865 STE GENEVIEVE HILL QUEBEC CITY QUE	P E DIP 2
JAMIESON CONSTANCE V 1437 MCKAY ST APT 23 MTL MALL PLAZA APTS APT 17 WINNIPEG MAN	B A 3
JANE MARGARET F 6 HOLMDALE RD HAMPSTEAD QUE	PARTIAL HU 4 8647
JANES MICHAEL C MACDONALD COLLEGE 320 KEEWATIN AVE TORONTO 12 ONT	B SC AGR 1
JANITENS GUNARS V 1560 OUIMET ST APT 7 VILLE ST LAURENT QUE	B ARCH 1
JANSEN STANLEY ORMAN 4520 COLONIAL AVE APT 10 BOX 722 YORKTON SASK	D D S 2
JAPP ROBERT D 3580 VENDOME AVE MONTREAL 28 QUE	B ENG CIV 4 HU 6 9004
JARED ALBERT ALLAN C O LAKEVIEW CEMETERY 200 PTE CLAIRE AVE POINTE CLAIRE QUE	B SC 4
JARRETTE NEIL MARTYN THERRIEN ST RY RICHELIEU ST JEAN QUE	M A 3
JASSBY DANIEL LEWIS 4330 HAMPTON AVE MONTREAL QUE	B SC 1 HU 1 4713
JASTRZEBSKI ZYGMUNT M 2375 TRENTON AVE MONTREAL QUE	B SC 2 RE 1 1635
JAUGELIS ALDONA O 1318 ROLLAND AVE VERDUN QUE	D D S 4 PO 8 8096
JAUREGUI JOHN GARY 3495 RIDGEWOOD AVE APT 102 MTL 1001 CATALINA BLVD SAN DIEGO 7 CALIFORNIA U S A	MD CM 3 RE 3 0577
JAVID RUHA 4695 DE LAPELTRIE AVE MONTREAL QUE	PARTIAL RE 1 4798
JAVOSKY RUDOLPH VALENTINE 3508 DUROCHER ST MTL R R 4 ST CATHARINES ONT	B ARCH 3 VI 9 4352
JAY ALFRED WANG LEUNG 3617 OXENDEN AVE MONTREAL QUE	B ENG 2
JAY JULIANA MARGUERITE W ROYAL VICTORIA COLLEGE 9 LA SALLE ROAD KOWLOON HONG KONG	B A 2 VI 2 0265
JAY SUSAN M ROYAL VICTORIA COLLEGE 3473 UNIVERSITY ST MONTREAL 2 QUE	B A 2
JAYLANI TEDJANINGSIH 3577 LORNE AVE APT 4 MTL DJALAN KRAMAT VII G GAV DJAKARTA INDONESIA	M A 3 VI 4 5346
JAYLANI TIMUR 3577 LORNE AVE APT 4 MTL DJALAN KRAMAT VII G GAV DJAKARTA INDONESIA	M A 3 VI 4 5346
JEANNOTTE BETTY G MACDONALD COLLEGE 16 B AVENUE NORANDA QUE	3 TCHRS
JEDEIKIN LEON 3803 THE BOULEVARD WESTMOUNT QUE	B C L 2 HU 8 7272
JEFFERY ROBERT F 3466 MCTAVISH ST MTL 22 HALL AVE NASHUA N H USA	MD CM 3
JEFFERY WILLIAM GORDON R R 1 FRANKLIN CENTRE QUE	PH D 4
JEFFERS HUGH F 6 CENTRE COTTAGE MACDONALD COLLEGE 7 FITT ST PORT OF SPAIN TRINIDAD W I	M SC 1
JEFFREY GEORGE J C BRITTIAN HALL MACDONALD COLLEGE SANDY COVE DIGBY CO N S	B SC AGR 4
JELLINEK TOMMY JOHN 3609 UNIVERSITY ST MONTREAL QUE	M SC 1 AV 8 6307
JENKINS JOHN TREVOR 5843 7TH AVE MONTREAL 36 QUE	PH D 4 RA 2 9600
JENKINS MARJORY KATHLEEN ROYAL VICTORIA COLLEGE BOX 232 MARMORA ONT	B A 2 VI 2 0113
JENKINS SHARON ANNE 145 DOBIE AVE TOWN OF MT ROYAL QUE	PHYSIOTH 5 RE 3 2941
JENNEY HUGH EDWARD 3429 PEEL ST MTL 372 LAKESHORE HWY W OAKVILLE ONT	B A 2 VI 2 7385
JENNINGS FRANCES DESSA R ROYAL VICTORIA COLLEGE BOX 550 SUB P O 43 CALGARY ALTA	B A 2 VI 9 0120
JENNINGS MARGARET R 5960 5TH AVE MONTREAL 36 QUE	B ED 3 RA 7 2697
JEPHCOTT JAMES R P O BOX 132 MACDONALD COLLEGE P O BOX 238 HUDSON QUE	B ENG MCH 3
JEPSEN ANDERS F N 1978 ST GERMAIN VILLE ST LAURENT QUE	B SC 4 RI 7 1980
JEPSON JOANNE HOPE 418 PINE AVE W MTL 100 FONT BLVD SANFRANCISCO 27 CALIF U S A	MD CM 4 VI 9 4664
JERVIS WILLIAM H 3657 OXENDEN ST MTL 1239 6TH ST SANTA MONICA CALIF USA	MD CM 2 AV 8 0685
JESSOP BARBARA ELLEN 24 JASPER AVE TOWN OF MT ROYAL QUE	B SC 3 RE 7 1790
JEW HONG ANTHONY 3655 OXENDEN AVE MTL 452 14TH ST MERCED CALIF U S A	MD CM 1 VI 9 3014

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JINNOUCHI DONALD M 1950 SHERBROOKE ST E MTL 718 S BOUNDARY RD VANCOUVER 6 B C	D D S 4 LA 1 7696
JOBIN LUC J MACDONALD COLLEGE BUCKINGHAM QUE	M SC 1
JOHNSON ANNE DOUGLAS 39 ABERDEEN AVE WESTMOUNT QUE	M S W 2 WE 5 3009
JOHNSON CARL CONRAD 1441 DRUMMOND ST MTL R R 1 LANSDOWNE ONT	B SC 3
JOHNSON CARLA ANNE ROYAL VICTORIA COLLEGE 277 WASHINGTON ST GLOUCESTER MASS U S A	B SC 3 VI 2 0147
JOHNSON CASWELL LEWINGTON 3583 DUROCHER ST MTL 764 ST MARTIN ST MONTREAL QUE	B COM 3 VI 9 0678
JOHNSON CONRAD 226 LAURENDEAU MTL EAST STE ADELAIDE DE PABOS GASPE QUE	B ENG 2 MI 5 1970
JOHNSON ERIC MACDONALD COLLEGE ABERCROMBIE PICTOU CO N S	PARTIAL
JOHNSON ERIC MICHAEL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4
JOHNSON GLADREL EVERTON O 3561 LORNE AVE MONTREAL QUE	B COM 4
JOHNSON HAROLD DESMOND MILLBROOKE APTS DUROCHER ST MTL ELLANGOWAN ST JOSEPH BARBADOS B W I	MD CM 3
JOHNSON MARGARET HELENA 3484 DUROCHER ST APT 407 ELLANGOWAN ST JOSEPH BARBADOS B W I	PHYSIOTH 1
JOHNSON RACHEL M 3510 LORNE AVE MTL 822 BAKER ST NELSON B C	B N 1 AV 8 2539
JOHNSON ROBERT H 522 MITCHELL AVE TOWN OF MT ROYAL QUE	D D S 1 RE 8 2618
JOHNSON ROBERT NEIL 530 MERCIER ST ST JOHNS QUE	B SC 1
JOHNSTON ALAN MUIR 367 40TH AVE LACHINE QUE	B SC 1 ME 7 6386
JOHNSTON ALISON MARY 30 EAST GABLES COURT BEACONSFIELD QUE	B A 3
JOHNSTON ANNE A E 3725 JEANNE MANCE ST MONTREAL QUE	B SC 1 VI 2 5985
JOHNSTON BRUCE CHANDLER 4854 DORNAL AVE MONTREAL QUE	B A 1 RE 3 4047
JOHNSTON DAVID IAN 3445 RIDGEWOOD AVE APT 201 MONTREAL QUE	L L M 1 RE 8 6644
JOHNSTON DAVID THOMAS 316 MONMOUTH AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 6366
JOHNSTON DONALD ARTHUR MACDONALD COLLEGE KINGSBURY QUE	AGR DIP 2
JOHNSTON IAN COURTENAY 3605 RIDGEWOOD AVE APT 306 MONTREAL 26 QUE	B SC 4 RE 3 7305
JOHNSTON JOHN BEVERLY DOUGLAS HALL R R 2 RED BANK N B	B SC 1
JOHNSTON MURRAY ANNABLE MACDONALD COLLEGE WINCHESTER ONT	B SC AGR 4
JOHNSTON NEIL VAN 3651 DUROCHER ST APT 15 1664 LEE RD CLEVELAND HEIGHTS OHIO U S A	MD CM 2 AV 8 5320
JOHNSTON NORMA ELIZABETH 3640 HUTCHISON ST APT 3 MONTREAL QUE	M L S 2 VI 9 7124
JOHNSTONE PETER DOUGLAS 824 51ST AVE LACHINE QUE	B ENG 2 ME 7 0869
JOHNSTONE VICTORIA 140 WESTMINSTER AVE MONTREAL WEST QUE	B A 1 HU 4 9674
JOLI COEUR PIERRE 3466 SHUTER ST APT 310 10 DU PARLOIR ST QUEBEC CITY QUE	M C L 4
JOLLIFFE ROBERT W 640 GRAHAM BLVD TOWN OF MT ROYAL QUE	B ENG 2 RE 8 1973
JOLLY BRANDIS D GREEN ISLAND JAMAICA W I	B SC AGR 3
JOLSON AVIVA 1651 NORWAY RD TOWN OF MT ROYAL QUE	B A 1 RE 7 7360
JOMM ENN 3355 SOMERSET RD VILLE ST LAURENT QUE	B SC 3 RI 8 7638
JONAS ANITA JOSEPHINE 401 COTE ST CATHERINE RD OUTREMONT QUE	B A 4 CR 7 2793
JONES BARBARA MARY ROYAL VICTORIA COLLEGE ROCKY RIDGE HARRINGTON SOUND BERMUDA	B A 3 VI 2 0113
JONES CAROL ANN FOSTER QUE	3 TCHRS
JONES GRAHAM ARTHUR 301 MELROSE AVE VERDUN QUE	B SC 4 PO 6 3178
JONES IVON MERVYN 32 GRAND MOULIN ST EUSTACHE SUR LE LAC QUE	M SC 1
JONES JAMES AUGUSTUS 3619 OXENDEN AVE APT 5 MONTREAL QUE	M S W 1 VI 5 6517
JONES JEFFRESS H WILSON HALL THE OLD RECTORY FARNHAM BLANDFORD DORSET ENGLAND	B ENG 1
JONES JUDITH ANN MACDONALD COLLEGE 185 HEBERT ST VILLE ST LAURENT QUE	B SC H EC 3
JONES KENNETH B 3681 ST FAMILLE ST MTL 25 WESTOVER RD VERONA N J USA	B ENG 1 VI 5 6057

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JONES NANCY ELIZABETH ROYAL VICTORIA COLLEGE 13 PLEASANT ST PENACOOK N H USA	B A 2 VI 2 0334
JONES NORMAN RICHARD 242 5TH AVE R R 1 ILE PERROT N QUE	B ENG MCH 5
JONES PETER OWEN 174 VERCHERES ST GREENFIELD PARK QUE	D D S 1 OR 1 7183
JONES PHILIP FREDERICK DOUGLAS HALL MELROSE 5 THE RISE LLANISHEN CARDIFF WALES U K	B COM 3 VI 9 5083
JONES RODERICK FORBES DOUGLAS HALL WESTERLEA LINLITHGOW WEST LOTOIAN SCOTLAND	B COM 1
JOOS ERNO 130 KENASTON AVE TOWN OF MT ROYAL QUE	M A 2
JOSEPH ALAN EDWARD 523 PINE AVE W MTL 17803 114TH RD JAMAICA 34 NEW YORK U S A	MD CM 2 VI 5 5787
JOSEPH ISABEL F 9 SPRINGFIELD AVE WESTMOUNT QUE	B SC 1 WE 7 2086
JOSEPH JOAN J 205 EDGEHILL RD WESTMOUNT QUE	B A 4 HU 6 1026
JOSEPH ROBERT JAMES 1947 ST LUC ST MTL 108 CAROLINE ST FORT WILLIAM ONT	B ENG CH 3 WE 2 7905
JOSEPH SARA ETHEL ROYAL VICTORIA COLLEGE 1 PARK PL ST CATHARINES ONT	B A 2
JOST FRANCES M MCLENNAN HALL 51 OAKLAND RD HALIFAX N S	PHYSIOTH 2 VI 9 0580
JOTCHAM RAYMOND GEORGE 6713 COTE ST LUC RD APT 4 MONTREAL 29 QUE	B SC 1 HU 9 2088
JOURNEAUX HOWAITH DEAN 3587 UNIVERSITY ST MTL PORT DANIEL STA CO BONA QUE	B ENG MI 4 VI 4 0504
JOYAL LAURENT 3575 JEANNE MANCE ST APT 5 MTL 471 BROCK ST DRUMMONDVILLE QUE	B ARCH 4 AV 8 3533
JOYAL MICHEL 3581 DUROCHER ST MTL 471 BROCK ST DRUMMONDVILLE QUE	B ENG CIV 4 AV 8 2768
JUBIEN MARGARET A STEWART HALL 124 VIVIAN AVE TOWN OF MT ROYAL QUE	B ED 2
JUCEVICIUS FELIKSAS 5039 ST DOMINIQUE ST MONTREAL 14 QUE	PARTIAL CR 1 0943
JUE BRUCE CAMERON 314 GROSVENOR AVE WESTMOUNT QUE	M ENG 1 HU 4 4097
JUNAID ABDUR RAHEEM A 2011 MCGILL COLLEGE AVE 82 BRICKFIELD ROAD EBUTEMETTA LAGOS NIGERIA	B COM 2 VI 6 0835
JURKUS RIMANTAS ALBINAS 1451 CRAWFORD BRIDGE AVE VERDUN QUE	B SC 4 PO 7 4280
JUST GISELLE C G 4542 WILSON AVE MONTREAL QUE	B A 1 HU 1 0563
JYOTI VIJAY KUMAR 460 PRINCE ARTHUR W MTL C O PT LAHARI RAN JYOTI KOT KISHER CHAND JULLMDU CITY PANJAL INDIA	B ENG MI 3 VI 4 3567

K

KADANOFF NORMAN 2217 BARCLAY AVE MONTREAL 8 QUE	B ENG 2 RE 7 4775
KADER JERUZALSKI FRED 2225 BEDFORD RD MONTREAL QUE	B SC 3 RE 3 8933
KADOWAKI ROBERT S 6645 13TH AVE MONTREAL 36 QUE	PARTIAL RA 1 9361
KAHN ASHER 5620 PARK AVE APT 4 MONTREAL QUE	B C L 3 CR 2 4148
KAHN ELLEN 4692 KENT AVE MONTREAL QUE	B A 1 RE 8 3859
KAIL ALEXANDRA MIROSLAVA 5555 ALPINE AVE MONTREAL QUE	MD CM 2 HU 8 5272
KALAIDZIS ERIH 3445 PEEL ST MTL P O BOX 686 COLON REPUBLIC OF PANAMA	B ENG 1 VI 5 9462
KALAN JOHN SILVESTER 100 STANLEY AVE VILLE ST PIERRE QUE	B ENG 2 HU 4 7087
KALIFON CECILE 2767 MAPLEWOOD AVE MONTREAL 26 QUE	B A 3 RE 3 3014
KALIL RICHARD DAVID 3429 PEEL ST MTL 303 SYDNEY ST CORNWALL ONT	B COM 1
KALLENBACH ERNST 4260 CARLTON AVE MONTREAL QUE	M SC 1
KALMAN GEORGE 3668 DUROCHER ST APT 17 MONTREAL QUE	B SC 2 VI 9 0750
KALMANOVITCH SYLVIA 5712 ST URBAIN ST MONTREAL QUE	B A 3 CR 6 8931
KAM CHAN YIU 3637 OXENDEN AVE APT 5 284 HENNESSY RD GROUND FLOOR HONG KONG	B ENG 2 VI 9 0504
KAMALI SABIB AHMAD 620 PRINCE ARTHUR ST W CHLIOTI HAWELI MAULVI TOLA BUDAUN U P INDIA	PH D 4 VI 5 1633
KAMBOURIAN GEORGE STEPHEN 1570 PINE AVE W MONTREAL QUE	MED DIPL 2
KAMINSKY ESTELLE 31 PERREAULT ST STE ANNE DE BELLEVUE 4682 KENT AVE MONTREAL QUE	3 TCHRS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KANEEN BRIAN DOUGLAS WILSON HALL 647 43RD AVE VILLE LASALLE QUE	B A 4 VI 4 0624
KANGAS MARIS 11 GLENDALE AVE BEACONSFIELD QUE	B SC H EC 2
KANNER HENRY A 7778 BLOOMFIELD AVE MONTREAL 15 QUE	B A 1 CR 6 6430
KAPLAN LEONARD MARTIN 3820 CLARK ST MONTREAL QUE	B ENG CH 3 AV 8 5675
KAPPEL JOHN JAMES 4 OLDFIELD ST APT 55 MTL 46 WISHMAN ST KIRKLAND LAKE ONT	B ENG 2
KAPUSTA MORTON ALLAN 4615 MICHEL BIBAUD ST MONTREAL QUE	MD CM 4 RE 7 4829
KAPUSTA RONALD 4615 MICHEL BIBAUD ST MONTREAL QUE	MD CM 3 RE 7 4829
KARAM JOSEPH GEORGE 2500 COTE ST CATHERINE MONTREAL QUE	B A 2 RE 8 2784
KARPISHKA IRENE S 823 WILLIBRORD AVE VERDUN QUE	PARTIAL PO 9 3035
KARPISHKA ROMAN BOHDAN 823 WILLIBRORD AVE VERDUN QUE	B A 1 PO 9 3035
KARPMAN DANIEL 922 WILDER AVE MONTREAL QUE	B A 4 RE 8 4928
KARPOWICZ MARY S 2671 GASCON AVE MONTREAL 24 QUE	B SC 3 LA 5 6486
KARWOWSKI ZBIGNIEW TYTUS 7782 DE MARILLAC ST MONTREAL 5 QUE	B ENG MCH 5 CL 6 2708
KASAK HELGI 4304 OXFORD AVE MONTREAL QUE	B SC 3 HU 4 8845
KASENO SOEPRAPTI SRI I ROYAL VICTORIA COLLEGE 16 JUDISTIRA SE MARANG INDONESIA	B SC 4 VI 9 0858
KASKABAS CONSTANTINE 4943 FULTON ST MONTREAL QUE	B ENG EL 3 RE 9 1530
KASNER MARVIN 6235 DE VIMY AVE MONTREAL QUE	B COM 4 RE 8 5963
KASPER STEPHANIE MAUREEN 2239 GIROUARD AVE MONTREAL QUE	B SC 4 HU 8 5980
KASTNER MERLE BETTE 5170 HAMPTON AVE MONTREAL 28 QUE	B A 1 HU 4 6882
KASTNER MICHAEL MARTIN 3483 PEEL ST MTL 1014 CHAUMOND AVE QUEBEC CITY QUE	B A 3
KATADOTIS CHRISTINE J MACDONALD COLLEGE 70 ACADEMY ST LENNOXVILLE QUE	3 TCHRS
KATADOTIS PETER ROBERT 6147 DUROCHER AVE MONTREAL 8 QUE	B COM 2 CR 9 6419
KATIS JAMES GEORGE 3675 PEEL ST MTL 19 UNION ST THOMPSONVILLE CONN U S A	MD CM 3 VI 5 5059
KATZ ABRAHAM SIMON 5355 COOLBROOK AVE MONTREAL QUE	B SC 3 HU 6 8200
KATZ DAVID ALLAN 5449 HUTCHISON ST MONTREAL 8 QUE	B ENG 2 CR 7 5873
KATZ DENIS 5454 TRANS ISLAND AVE MONTREAL 29 QUE	B ENG 1 HU 4 4852
KATZ JOYCE EVELYN 4894 FULTON AVE MONTREAL QUE	B A 2 RE 8 8344
KATZ MAX GEORGE 3596 DUROCHER ST MTL 74 TASCHEREAU ST W ROUYN QUE	B SC 3
KATZ SANDRA JUDY 4970 KENT AVE MONTREAL QUE	B COM 1 RE 7 7607
KATZ SOL 4543 WILSON AVE MONTREAL QUE	B A 4 HU 4 5687
KAUFMAN ISRAEL HERSH 8370 QUERBES AVE MONTREAL QUE	B C L 3 CR 4 6138
KAUFMAN LEON 1640 VAN HORNE AVE APT 6 OUTREMONT QUE	B SC 4 CR 2 4489
KAUSER NICOLAS 3508 DORCHESTER ST MTL 4R CALLE 7 LOI PAROT GRANDES CARACAI VENEZUELA	B ENG 1
KAUSER STEVEN J 3583 DUROCHER ST APT 15 NO 48 CALLE 7 LOS PALOS GRANDES CARACAS VENEZUELA	B COM 1
KAVALERSKY ERIC ALEC 4631 BARCLAY AVE APT 4 MONTREAL QUE	B ENG 2 RE 3 5774
KAVANAGH THOMAS MURRAY 3450 DUROCHER ST APT 23 MONTREAL QUE	PH D 3 VI 9 3186
KAVCIC FRANK MICHAEL 3705 ST DOMINIQUE ST MONTREAL QUE	PH D 3 VI 2 3545
KAWAJA MICHAEL NAJEEB 315 LAZARD AVE TOWN OF MT ROYAL QUE	B SC 3 RE 1 1465
KAWAJA NABEH RAMEZ PAUL 315 LAZARD AVE TOWN OF MT ROYAL QUE	B COM 3 RE 1 1465
KAWAJA REGINALD L M 3400 LINTON AVE APT 107 MONTREAL QUE	L L M 1
KAWCZAK MICHAEL 7484 BIRNAM ST MONTREAL 15 QUE	B ENG 1 CR 4 9027
KAY GERALDINE 21 LEGAULT ST STE ANNE DE BELLEVUE 103 DUFFERIN RD HAMPSTEAD QUE	3 TCHRS
KAYE CARL EDWARD 6040 COTE ST LUC RD APT 5 MTL 2 BAYVIEW RIDGE WILLOWDALE ONT	D D S 4 HU 8 5679
KAYE JOHN ASTON 3429 PEEL ST MTL 6550 BLENHEIM ST VANCOUVER B C	B COM 4 AV 8 3409
KAYE LESLIE L 1463 BISHOP ST APT 3 MTL 68 HENRY ST TRENTON ONT	B A 3 AV 8 0471

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KAYE STUART MORTIMER 1463 BISHOP ST APT 3 MTL 68 HENRY ST TRENTON ONT	B SC 2 AV 8 0471
KAYSER EDMUND PROSPER M 3506 UNIVERSITY ST MTL 97 WELLAND AVE ST CATHARINES ONT	B SC 2 VI 4 0624
KAZAKS PETERIS ALEXANDRIS 222 REDFERN AVE APT 34 WESTMOUNT QUE	B ENG 2 WE 3 1352
KAZI SADAT ISLAM 625 BLVD ST CROIX VILLE ST LAURENT QUE	M A 1 RI 7 2444
KEARE NANCY CELIA ROYAL VICTORIA COLLEGE 1270 LINDEN AVE HIGHLAND PARK ILL U S A	B A 3 VI 2 0180
KEARNS FRANK J 112 HERMISTON AVE POINTE CLAIRE QUE	B ENG MCH 3
KECYS MARION A 115 OAKRIDGE DRIVE BAIE D URFEE QUE	B SC H EC 1
KEDDIE BRENDA RAE 783 UPPER LANSDOWNE AVE WESTMOUNT QUE	B SC 3 HU 1 2650
KEELER WINSTON W BOX 14 MACDONALD COLLEGE QUE	PARTIAL
KEENE BRIAN J C O NATL FILM BOARD COTE DE LIESSE RD MTL 292 BLVD DES PRAIRIES LAVAL DES RAPIDES QUE	PARTIAL RI 7 5511
KEENER ELLIS BARLOW 4605 HUTCHISON ST APT 3 1606 ARIANA BLVD AUBURNDALE FLORIDA U S A	MED DIPL 4 CR 9 4347
KEHOE JOHN JUDE 5860 TRANS ISLAND MTL 67 MAPLE ST GATINEAU MILLS QUE	B C L 3 RE 3 7828
KEIL LOUIS DOUGLAS 1115 POIRIER ST VILLE ST LAURENT QUE	B ENG 2 RI 7 4874
KEITH DEBORAH SARA 2369 MADISON AVE MONTREAL QUE	B A 4 HU 9 7615
KEITH JOHN ANTHONY 2369 MADISON AVE APT 21 MONTREAL QUE	M A 2 HU 9 7615
KEITH PETER GRANT 5551 COTE DES NEIGES APT 6 MTL ARROWHEAD RANCH KEVISVILLE ALTA	B ENG MCH 4 RE 8 1930
KELDER ROBERT JAN 143 EVERGREEN DR BEACONSFIELD QUE	B ENG 2
KELENSON PHILIP 6315 DE VIMY AVE MONTREAL QUE	B A 4 RE 8 5928
KELL OPMELA A 4515 HINGSTON AVE MONTREAL 28 QUE	B SC H EC 1
KELLER M FERENC P O BOX 40 MACDONALD COLLEGE QUE	PARTIAL
KELLER RHONA JOAN 5864 DECELLES PL APT 16 MONTREAL QUE	MD CM 2 RE 3 2955
KELLMAN MARTYN C MACDONALD COLLEGE RICHMOND TERRACE CASCADE TRINIDAD B W I	B SC AGR 1
KELLNOR JOANIE F 594 GROSVENOR AVE WESTMOUNT QUE	B A 1 HU 6 2062
KELLY BARBARA MAUREEN ROYAL VICTORIA COLLEGE 121 YORK ST CORNWALL ONT	B A 4 VI 2 0477
KELLY MICHAEL B 36 FEHWICK AVE MONTREAL WEST QUE	B ENG CIV 4 HU 1 6543
KELLY PAUL BRENDAN 6300 LENNOX APT 308 MTL 1100 UNION ST APT 600 SAN FRANCISCO CALIF USA	MD CM 2 RE 9 1849
KELLY WILLIAM J T 60 LOACH RD LOCKERBY ONT	B ENG CIV 5
KELLY WILLIAM JULES 5600 ST DOMINIQUE ST MONTREAL 14 QUE	B ENG CH 5 CR 4 9605
KELSO LORRAINE G MACDONALD COLLEGE R R 2 ST PIERRE BAPTISTE QUE	B SC P ED 3
KEMBALL PETER RITCHIE 4191 HINGSTON AVE MONTREAL QUE	B ENG MCH 3 HU 4 4205
KEMP SALLY E 34 STE ANNE ST STE ANNE DE BELLEVUE 185 BEDBROOK AVE MONTREAL WEST QUE	P E DIP 1
KEMPTHORNE DONALD G 1975 ST JAMES W MTL 19 FORDEN AVE WESTMOUNT QUE	PARTIAL WE 7 7753
KENNADY JOHN C 3801 UNIVERSITY ST MTL BOX 204 DOWS IOWA U S A	MED DIPL 5 VI 2 1251
KENNEDY HENRY ALBERT 6653 19TH AVE MONTREAL 36 QUE	B SC 3 RA 2 4476
KENNEDY JAMES ROSS 78 DOBIE AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 3 6130
KENNEDY LESLIE JOY 1509 SHERBROOKE ST W MONTREAL QUE	B A 2 WE 3 2061
KENNEDY RONALD DAVID 112 YONGE CRES PTE CLAIRE QUE	B ENG CH 3
KENNEY MICHAEL 4800 DECARIE BLVD APT 11 MONTREAL QUE	B ENG CIV 4 HU 8 6367
KENNY LORNE MILFORD 16 SUNNYSIDE AVE POINTE CLAIRE QUE	M A 2
KENNY WILLIAM FRANCIS 3544 JEANNE MANCE ST MTL 7200 RIDGE BLVD BROOKLYN 9 N Y USA	MD CM 2 VI 9 9090
KENYON JOHN 24 LATOUR LAVAL WEST QUE	M A 1
KEOGH RICHARD KEVIN ROYAL VICTORIA HOSPITAL 936 CHESTNUT ST NEW WESTMINSTER B C	MED DIPL 2
KERR COLIN CHARLES 3851 UNIVERSITY ST MTL CORSO MAZZINI 20 CAMOGLI GENOVA ITALY	B SC 4 VI 4 6968
KERSHMAN NAOMI PEARL 743 WILDER AVE OUTREMONT QUE	B SC 1 CR 9 0586

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
KERTLAND DAVID STUART 44 ACADEMY RD WESTMOUNT QUE	WE 5 2037	B SC 4
KESES IRVING MORRIS 4159 CITY HALL AVE MONTREAL QUE	VI 5 6944	B ENG CH 3
KESKINER ALI STE ANNE S HOSPITAL STE ANNE DE BELLEVUE QUE		MED DIPL 1
KESSLER LAWRENCE IRVING 4475 GRAND BLVD MONTREAL 28 QUE	HU 8 3583	B ENG EL 3
KESSLER PAUL E 1669 SHERBROOKE ST W MTL SWITZERLAND		B ENG 2
KETCHESON BARBARA GORDON 2163 WOODCREST RD OTTAWA ONT		PH D 4
KETCHESON GRANT A MACDONALD COLLEGE R R 1 MADOC ONT		B SC AGR 1
KETTER ANNA MARIA 2095 LINCOLN AVE APT 17 MONTREAL QUE	WE 5 2314	B L S 2
KEYMER SANDRA HOMFRAY H 4796 GROSVENOR AVE MONTREAL 29 QUE	HU 8 6181	B A 3
KEYTON PAUL AYLIFFE 4575 GRAND BLVD APT 16 MONTREAL QUE	HU 6 5261	B A 2
KHAN ABU BAKR 3546 LORNE AVE MONTREAL QUE	HA 5 6908	D D S 3
KHAN ANWAR AHMAD 247 A BLOCK 6 PECHS KARACHI PAKISTAN		PH D 2
KHAN FAREED AHMAD 1001 SHERBROOKE ST W MTL 15 EASTERN MAIN RD SAN JUAN TRINIDAD WEST INDIES	VI 4 2122	B A 3
KHAN IMRAN 3546 LORNE AVE APT 6 MONTREAL QUE		MD CM 2
KHAN MOHHAMMED A Y 3460 DUROCHER ST APT 8 CHAMP FLEURS ST JOSEPH TRINIDAD T W I		B SC 3
KHAN ZAFAR 5821 WESTLUKE AVE MONTREAL 29 QUE	AV 8 9868	B COM 2
KHAZZAM DAVID E 3101 CEDAR AVE MONTREAL QUE	WE 7 2912	B ENG 1
KHAZZAM SASS 3101 CEDAR AVE MONTREAL QUE	WE 7 2912	B COM 3
KHO THWAN SIET 3647 UNIVERSITY ST MONTREAL QUE	VI 9 2806	M ENG 1
KHOUW BOEN HENG 2054 MANSFIELD ST MTL 18 SOMPOK LAMA SEMARANG JAVA INDONESIA	VI 2 0489	M SC 1
KIBRICK ARNOLD JACOB 4352 DE LA PELTRIE MONTREAL QUE	RE 3 5693	B ENG EL 4
KIESER ALBIN R 1226 DRUMMOND ST APT 4 MONTREAL QUE	UN 1 4960	B ENG 2
KIFLEEGZI HAILU 443 STATION B MTL P O BOX 33 ADDIS ABABA ETHIOPIA		M A 1
KIHM RUTH SIGRID 3558 LORNE AVE APT 5 MTL 220 16TH AVE ST EUSTACHE SUR LE LAC QUEBEC	AV 8 7810	MD CM 4
KILBURN PETER MORRIS 5 ROSEMOUNT AVE WESTMOUNT QUE	WE 3 5592	B A 4
KILGOUR GEILLS MCCRAE ROYAL VICTORIA COLLEGE 237 OXFORD ST WINNIPEG 9 MAN		B SC 4
KILLEN DESMOND G WILSON HALL 17 QUEEN ST NORTH SYDNEY N S	VI 4 0624	B ENG EL 4
KILLINS GARY WILLIAM 3592 UNIVERSITY ST MTL BOX 298 LARDER LAKE ONT	VI 2 2435	B ED 3
KIM KWANG MAN 6236 FIRST AVE MTL 55 5 HOOAM DONG RYONGSAN KU SEOUL KOREA	RA 7 4713	M A 1
KIMPTON OLIVIA CATHERINE 365 LANSDOWNE AVE WESTMOUNT QUE	WE 2 6382	B A 3
KIMURA DOREEN 3484 DUROCHER ST APT 401 MONTREAL QUE	VI 9 9402	PH D 3
KIMURA DOUGLAS SHUSO 3484 DUROCHER ST APT 401 1129 ADDISON CHICAGO 13 ILLINOIS USA	VI 9 9402	PH D 4
KINDERSLEY HELEN ANNE ROYAL VICTORIA COLLEGE BALLYMENA OAKVILLE ONT	VI 2 0526	PHYSIOTH 3
KINDLER DIANA 4937 PLAMONDON AVE MTL 140 MAIN ST BATHURST N B	RE 7 5936	MED DIPL 1
KINDY DAGMAR 6793 11TH AVE MONTREAL 36 QUE	RA 7 0853	MD CM 3
KING EDWARD STEWART 8028 UPPER LACHINE RD MONTREAL WEST QUE	HU 4 6926	B SC 2
KING JAMES F MACDONALD COLLEGE 4949 QUEEN MARY RD APT 19 MONTREAL QUE	2 TCHRS	
KING JOHN LANGAN 3851 UNIVERSITY ST MTL 106 FULHAM CRES WINNIPEG MAN		D D S 4
KING MICHAEL FRANCIS ST MARYS HOSPITAL 3774 WILSON AVE MONTREAL QUE	HU 4 2089	MD CM 3
KING RICHARD MICHAEL DOUGLAS HALL PITLUNDIE PENN BUCKS ENGLAND	AV 8 8075	B ENG CIV 4
KINGSBURY DONALD M 812 ROCKLAND AVE OUTREMONT 8 QUE	CR 6 2494	M SC 2
KINGSMILL NICOL GEORGE W DOUGLAS HALL 74 CASTLE FRANK RD TORONTO ONT	VI 9 8728	B A 1
KINGSTON DIANA MARY ROYAL VICTORIA COLLEGE BOX 165 BOURLAMAQUE QUE	VI 9 0858	B A 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KINGSTON KEITH C M 2280 CLIFTON AVE MTL 398 SELSDON RD SOUTH CROYDON SURREY ENGLAND	B COM 2 HU 8 7929
KINGSTONE EDDIE 5050 WALKLEY AVE APT 5 MONTREAL QUE	MED DIPL 1 HU 9 4833
KINI MOHANDAS 3619 UNIVERSITY ST MTL 315 THAMBU CHITTY ST MADRAS 1 INDIA	PH D 3
KINLOCH ALBERT K DOUGLAS HALL 2715 82 AVE S E CALGARY ALBERTA	B SC 1
KINNEAR DOUGLAS GORDON 32 ROXTON CRES MONTREAL WEST QUE	MED DIPL 4 HU 6 4276
KINSMAN GLEN W 3433 DUROCHER ST APT 802 673 UNIVERSITY DR SASKATOON SASK	MED DIPL 1 AV 8 4547
KINSMAN RONALD DESMOND L 4870 COTE DES NEIGES MONTREAL QUE	M A 2 RE 8 4165
KIOVSKY MICHAEL 2400 LOCKHART AVE MONTREAL 16 QUE	B ENG MCH 4 RE 8 3970
KIRBY MARY E 1089 ST JOSEPH ST LACHINE QUE	2 TCHRS 1 ME 7 6216
KIRKBY PETER WILSON HALL 51 POPPY THORN LANE PRESTWICH MANCHESTER ENGLAND	B SC 4 VI 4 0624
KIRKCALDY MARGARET ROSE MACDONALD COLLEGE 19 BALLATTER AVE HALF WAY TREE JAMAICA	B SC H EC 4
KIRKHAM LAWRENCE A H 1000 VANIER ST VILLE ST LAURENT QUE	B SC 2 RI 4 5048
KIRKIS PETER GEORGE 1610 SHERBROOKE ST W APT 203 MTL 10 MACKENZIE KING ST ATHENS GREECE	B ENG MCH 3 WE 4 1476
KIRMAN SANDRA G 12 CHRISTIE ST APT 1 STE ANNE DE BELLEVUE 6212 DE VIMY AVE MONTREAL QUE	2 TCHRS 1
KIRSCH IRVING MURRAY 4660 KENT AVE MONTREAL 26 QUE	B COM 3 RE 3 6330
KIRWAN LEO DUNCAN 3622 LORNE CRES APT 5 R R 1 MERIGOMISH N S	M SC 1
KISBER STEPHEN DAVID 6307 DE VIMY AVE MONTREAL QUE	B COM 1 RE 8 6437
KISHINO MARJORIE H 3638 DUROCHER ST APT 3 31 PRIMROSE AVE TORONTO 14 ONT	B N 1 VI 5 0081
KISILEVSKY ROBERT 5916 MACDONALD AVE HAMPSTEAD QUE	MD CM 1 HU 6 3379
KISS ALEXANDER S 1590 ROLLAND AVE VERDUN QUE	B ENG 2 PO 6 0325
KITEALA JOHN 3510 ST GERMAIN ST MONTREAL 4 QUE	MD CM 2
KITTERMAN JOSEPH A 10 AMESBURY AVE APT 552 855 CEDAR ST ALAMEDA CALIF U S A	MD CM 1
KIVENKO HELEN FRAYDA 4924 LACOMBE AVE MONTREAL QUE	B A 1 RE 7 7739
KIVENKO JACK MARVEN 5716 QUEEN MARY RD MONTREAL QUE	B COM 2 HU 1 8340
KIZELL GITA GERTRUDE ROYAL VICTORIA COLLEGE 295 FIRST AVE OTTAWA ONT	B A 4 VI 2 0180
KIZELL DOROTHY ROYAL VICTORIA COLLEGE 295 FIRST AVE OTTAWA ONT	B A 1 VI 9 0993
KLARBERG SHEILA 3841 ST KEVIN AVE MONTREAL QUE	B SC 2 RE 3 6992
KLEEM FERRIS ANTHONY 3457 SHUTER ST MTL DORTMUND BRACKEL GERMANY	M A 3
KLEIN AARON A 5500 CLANRANALD AVE MONTREAL QUE	B ENG 2 RE 8 9358
KLEIN COLMAN 236 QUERBES AVE OUTREMONT QUE	B ARCH 4 CR 2 1885
KLEIN CORNELIS 3518 DUROCHER ST APT 4 3539 JEANNE MANCE ST MONTREAL QUE	M SC 1 VI 4 7738
KLEIN MITCHELL HARRIS 3500 RIDGEWOOD AVE APT 400 MONTREAL QUE	B C L 2 RE 1 6367
KLEIN RONA 3500 RIDGEWOOD AVE APT 400 MONTREAL QUE	B A 1 RE 1 6367
KLEIN SANDOR JACK 236 QUERBES AVE OUTREMONT QUE	B A 1 CR 2 1885
KLEINER IRWING STEVE 5651 PARK AVE APT 5 MONTREAL QUE	B A 1 CR 1 7223
KLEINER ISRAEL 1385 BERNARD AVE APT 9 MONTREAL QUE	B SC 4 CR 1 2262
KLEINIKKINK GERRIT J MACDONALD COLLEGE C O MR M T HAAN R R 1 GUELPH ONT	B SC AGR 3
KLEINMAN EZRA 4548 HARVARD AVE MONTREAL QUE	A & S COM 1 HU 6 9912
KLEMBA JERRY 354 51ST AVE LACHINE QUE	B ED 1 ME 4 1748
KLEMENSBERG FREDA 5970 MCSHANE AVE MONTREAL 26 QUE	B SC 3 RE 7 7643
KLEMKA JOSEPH M 8726 ST CLAIRE ST MTL ST PAUL DE JOLIETTE QUE	B ENG 1
KLEVORICK ALAN STANLEY 475 PINE AVE W MTL 8375 WOODHAVEN BLVD WOODHAVEN 21 N Y USA	B SC 3 VI 4 4270
KLIGER GEORGE IRWIN 4645 KENT AVE MONTREAL QUE	B A 2 RE 3 3997
KLIGER JUDITH CLAIRE 4742 BOUCHETTE MONTREAL QUE	B A 4 RE 1 0452

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KLINEBERG DAVID MARTIN 4414 HINGSTON AVE MONTREAL 28 QUE	B A 1 HU 1 3991
KLINEBERG JUDITH ANNE 4414 HINGSTON AVE MONTREAL 28 QUE	B A 3 HU 1 3991
KNAPP BEVERLEY AUDREY 138 SPARTAN CRES POINTE CLAIRE QUE	B A 4
KNIGHT KATHERINE J 11 CEDAR AVE POINTE CLAIRE QUE	P E DIP 1
KNIPS BARBARA M 2505 MAPLEWOOD AVE APT 307 MONTREAL QUE	M S W 1 RE 9 2030
KNOWLES KENNETH WESLEY WILSON MEMORIAL HALL BOX 862 NASSAU N P BAHAMAS	B SC 1
KNOX GEORGE BARRY 2354 CLIFTON AVE MONTREAL QUE	B ENG 2 HU 6 0644
KNOX ROBERT HUGH 4325 MARIETTE AVE MONTREAL QUE	B A 2 HU 8 5474
KNYSTAUTAS ROMUALD GEORGE 35 STRATHYRE VILLE LASALLE QUE	B ENG MCH 4 ME 7 8831
KO YEE YEUNG HOWARD 1441 DRUMMOND ST MONTREAL QUE	MD CM 1
KOBAYASHI RONALD 3511 PEEL ST MONTREAL QUE	B ARCH 4 VI 4 4447
KOBY NORMA LINDA 5601 ALPINE AVE COTE ST LUC QUE	B A 2 HU 1 7632
KOCH CHRISTINE RUTH 4369 MONTROSE AVE WESTMOUNT QUE	B A 1 WE 2 8893
KOERNER RICHARD 5739 DARLINGTON AVE APT 6 MONTREAL QUE	B ENG CIV 3 RE 1 5848
KOGAN JOYCE SANDRA 394 COTE ST CATHERINE MONTREAL QUE	B A 4 CR 4 8494
KOH TEOW YAN 2015 MCGILL COLLEGE AVE 500 C EAST COAST RD SINGAPORE 16	B SC 2
KOHLER ALLAN CARL 3587 UNIVERSITY ST APT 6 ST ANDREWS N B	PH D 3 VI 4 0504
KOISTE KARI J 802 LUSIGNAN ST MONTREAL 3 QUE	B ENG 1 WE 5 0332
KOKICH TONY 1923 DORCHESTER ST W MONTREAL QUE	B SC 2
KOLADA VERA MACDONALD COLLEGE 275 GEORGE V ST DORVAL QUE	B SC H EC 2
KOLANKOWSKY EUGENE 632 OUTREMONT AVE OUTREMONT QUE	B ENG COM 5 CR 6 6961
KOLBER STANLEY LYON 74 COTE ST CATHERINE OUTREMONT QUE	B SC 3 CR 1 5355
KOLLAR CATHERINE 3639 STE FAMILLE ST APT 18 MONTREAL QUE	B A 3 VI 5 8851
KOLODNY HARVEY F 2220 LAFORTUNE ST VILLE ST LAURENT QUE	B ENG COM 5 RI 4 0281
KOLODNY LARRY 6061 WILDERTON AVE MONTREAL QUE	B C L 1 RE 7 1894
KOLP HIRSH B 3583 DUROCHER ST MTL 18 SALISBURY RD BROOKLINE 46 MASS U S A	B ENG 1 VI 9 0678
KOLSHORN HAJO AUGUST 5120 BOURRET AVE APT 18 MONTREAL QUE	B ENG EL 3 RE 3 5019
KOMALARAJUN NORARITHI 3459 DRUMMOND ST MONTREAL QUE	PARTIAL VI 4 0653
KOMALARJUN PAYOON 3459 DRUMMOND ST MTL 10 SOI SRI FAH PAHOLYOTHIN RD BANGKOK THAILAND	GR N CERT 2 VI 4 0653
KON JULIAN 5218 JEANNE MANCE ST MONTREAL QUE	B SC 2 CR 6 2025
KOND LIIVI MACDONALD COLLEGE VINELAND STATION ONT	B SC AGR 3
KONGO HELE MALL 588 WESTLUKE AVE COTE ST LUC QUE	B A 2 HU 4 0685
KONIGSBERG ALEXANDER S 4715 PLAMONDON AVE APT 19 MONTREAL QUE	B COM 4 RE 7 2078
KONKIN NAIDA N ROYAL VICTORIA COLLEGE BOX 452 KAMSACK SASK	B A 2 VI 2 0265
KONO MASAKIYO 3512 SHUTER ST MONTREAL QUE	PH D 3
KONSTATINOFF MYRA 6625 MONKLAND AVE MONTREAL 28 QUE	B A 1 HU 6 0310
KONYK LEO N 475 PINE AVE W MTL 1026 LANSDOWNE AVE WINNIPEG 4 MAN	D D S 1 VI 4 4270
KOOIMAN HENDRIK 1433 STANLEY ST APT 12A MONTREAL 2 QUE	B C L 3 AV 8 0428
KOOIMAN VINCENT WILLEM 1433 STANLEY ST APT 12A MONTREAL 2 QUE	B C L 3 AV 8 0428
KORENTAYER KENNETH 104 HEBERT ST VILLE ST LAURENT QUE	B SC 1 RI 7 8631
KORMAN HENRY PHILIP 5238 ESPLANADE AVE MONTREAL QUE	B ENG MCH 4 CR 4 2801
KORN MORTON 523 PINE AVE W APT 202 165 EMELINE ST PROVIDENCE 6 R I U S A	MD CM 2 VI 5 5787
KORN TADEK 1466 DUCHARME AVE APT 12 MONTREAL QUE	B ENG 1 CR 4 3937
KORNAK LEONARD A 5147 BANNANTYNE AVE VERDUN QUE	P E DIP 1
KORNBLUTH ELEANOR LEE 821 DOLLARD AVE OUTREMONT QUE	B A 2 CR 2 5617
KORNBLUTH IRWIN 821 DOLLARD AVE OUTREMONT QUE	MD CM 2 CR 2 5617
KORNBLUTH JOYCE CORNELIA 719 UPPER BELMONT AVE WESTMOUNT QUE	B A 2 HU 1 7920

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KORNBLUTH JUDITH ROSLYN 821 DOLLARD AVE OUTREMONT QUE	PHYSIOTH 4 CR 2 5617
KORNBLUTH RALPH 975 HARTLAND AVE OUTREMONT QUE	D D S 1 RE 3 2697
KORNBLUTH RHONA 816 DUNLOP AVE MONTREAL QUE	B A 1 RE 8 3079
KOROL ROMAN 3716 HENRI JULIEN AVE MONTREAL QUE	B ENG EL 3 VI 5 6445
KORSOWER ANN 4670 VEZINA AVE MONTREAL QUE	B A 4 RE 1 6233
KOTANSKY WILLIAM 3360 COTE ST CATHERINE APT 12 MONTREAL QUE	B ARCH 6 RE 1 0973
KOTLER DEANNA 5135 MONTCLAIR AVE MONTREAL 29 QUE	2 TCHRS HU 8 0488
KOTLER JULIAN 445 DUFFERIN RD HAMPSTEAD QUE	B C L 4 HU 6 4614
KOURI RONALD LOUIS 3235 RIDGEWOOD AVE APT 408 MTL 412 NEWTON ST SHERBROOKE QUE	D D S 4 RE 1 5477
KOVACS ALEXANDRA ROSE ROYAL VICTORIA COLLEGE APARTADO 1107 CIUDAD TRUJILLO DOMINICAN REPUBLIC	B A 3 VI 2 0495
KOVACS MARIA 1152 LAJOIE AVE MONTREAL QUE	B SC 1 CR 6 1591
KOVACS REZSO L 1091 MACKAY ST APT 4 MONTREAL QUE	M SC 1 UN 1 6408
KOVALIK ROSA M 5160 PIE IX BLVD MONTREAL QUE	PH D 4 RA 7 7610
KOVALSKI JOYO 1655 LINCOLN AVE APT 23 MONTREAL QUE	PH D 2 WE 5 3762
KOVECSES GEORGE 55 CLAUDE AVE DORVAL QUE	B ENG 2 ME 1 1507
KOVITCH ELAINE R 40 MONTEE STE MARIE STE ANNE DE BELLEVUE 5715 DARLINGTON AVE APT 1 MONTREAL QUE	3 TCHRS
KOYER TADEUSZ 1532 MACKAY ST APT 8 MONTREAL QUE	M A 1 WE 7 8056
KRAKOW BELLA MIRIAM 484 WISEMAN AVE OUTREMONT QUE	B A 2 CR 6 6970
KRAKOWER EARL 832 DUNLOP AVE OUTREMONT QUE	B SC 3 RE 8 0956
KRAKOWER PHILLIP 2794 WILLOWDALE AVE MONTREAL QUE	B COM 4 RE 7 4377
KRAMARZ HALINA 5323 LUCY PL MONTREAL 29 QUE	D D S 1 RE 3 5980
KRAMER DONALD R 3482 MCTAVISH ST MTL LANGENBURG SASK	B SC 3 VI 4 0589
KRAMER ETHEL 4526 DRAPER AVE MONTREAL QUE	PHYSIOTH 2 HU 4 6913

NAME ADDRESS	COURSE & YEAR TEL. NO.
KRANCK KATE MARGARETHA HUDSON HEIGHTS QUE	B SC 4
KRASNOW MARVIN LARRY 4980 CIRCLE RD MONTREAL QUE	B ENG MCH 3 HU 6 1904
KRAULIS ILZE 4972 DOLLARD ST ROXBORO QUE	B SC 2 MU 4 2758
KRAUSZ TIBOR G 4965 COTE ST CATHERINE APT 11 MONTREAL QUE	B ENG 2 RE 3 5729
KRAVETZ AVIVA 3480 BEDFORD RD APT 3 MONTREAL QUE	B A 1 RE 8 6664
KREAFEN MONA B B 18 MONTEE ST MARIE APT 3 STE ANNE DE BELLEVUE 4910 CIRCLE RD MONTREAL 29 QUE	3 TCHRS
KREINDLER SIMON 687 WISEMAN AVE APT 3 P O BOX 264 BARBADOS B W I	B SC 2 CR 1 1354
KREISMAN JUDY 6055 WILDERTON CRES MONTREAL QUE	2 TCHRS RE 8 3350
KRISHTALKA AARON 4138 CLARK ST MONTREAL QUE	B SC 2 AV 8 3857
KRISTOF FRANCIS E VERDUN PROTESTANT HOSP VERDUN QUE	MED DIPL 1
KROMP DIANE FELICIA 3161 APPLETON AVE MONTREAL QUE	B A 2 RE 3 4144
KRUGER RACHEL 4 CHRISTIE ST STE ANNE DE BELLEVUE 5165 JEANNE MANCE ST MONTREAL QUE	3 TCHRS
KRUPKA DANNY CHARLES V M 3508 DUROCHER ST MTL 103 RIVERDALE AVE OTTAWA 1 ONT	B ENG PHY 3
KRUZICH FRANK 7672 BROADWAY MTL 240 4TH ST GANANOQUE ONT	B ENG 2 PO 6 1771
KRYSZAK KAMILLA 8050 LOUIS HEMON ST MONTREAL QUE	B A 3 RA 1 3792
KUBANEK GEORGE RUDOLF 323 WESTGATE CRES BOX 29 ROSEMERE 300 5TH ST MIDLAND ONT	B ENG CH 3
KUCHTA STEVE JOHN 6352 11TH AVE MONTREAL 36 QUE	B ENG MCH 5 RA 8 4010
KUCZYNSKA WANDA 650 11TH AVE LACHINE QUE	B SC 4 ME 7 1559
KUDO CATHERINE F 156 HILLSIDE AVE WESTMOUNT 6 QUE	MD CM 1 WE 5 9556
KUGELMASS LINDA 5268 DALON MONTREAL QUE	B A 1 HU 1 1796
KUHI TIIU ANN 120 BELMONT AVE LAKESIDE QUE	B A 2
KUKK ENE 115 LECAVALIER ST VILLE ST LAURENT QUE	B SC 4 RI 2 6632

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KULCSAR ELIZABETH B 4800 WILSON AVE MONTREAL 28 QUE	B A 1 HU 4 0895
KULIK MORRIS 5439 JEANNE MANCE ST MONTREAL QUE	B ENG 1 CR 7 5088
KULIS JOHN F 6701 LAURENDEAU MONTREAL QUE	B ENG 1 PO 6 9471
KUMAR GANRAJ 534 PRINCE ARTHUR ST MTL 50 SHERIFF ST CAMPBELVILLE EAST COAST DEMERARA BR GUIANA S A	MD CM 2 VI 5 8362
KUMARAPELI PREMAATNO S 419 PRINCE ARTHUR ST W INDIGOLLA ESTATE GAMPAHA CEYLON	B SC 3
KUMASAKA YORIHIKO 629 PRINCE ARTHUR ST W TAKAMATSUSLIN JAPAN	MED DIPL 1
KUNSTLER DOROTHY M 30 THURLOW RD HAMPSTEAD QUE	B A 1 HU 4 0131
KUNTZ HARRY 2201 DORCHESTER ST W APT 8 MONTREAL QUE	PARTIAL
KUPER EVA 57 MONTEE STE MARIE STE ANNE DE BELLEVUE 852 BERWICK CRES MONTREAL 16 QUE	3 TCHRS
KUPITSKY RONALD 430 WILLOWDALE AVE MONTREAL QUE	B ENG MET 5 RE 3 6433
KURDYLA JOHN 3647 COLONIAL AVE MONTREAL 18 QUE	B SC 2
KURDYLA NICHOLAS 3647 COLONIAL AVE MONTREAL 18 QUE	B ENG PHY 4
KURRUSK ILMAR 1130 LEPINE ST VILLE ST LAURENT QUE	B ENG 2 RI 7 5036
KURYS STANLEY ROBERT 585 25TH AVE LACHINE QUE	B ED 1 ME 7 7128
KUSHNER JERALD 5985 MACDONALD AVE MONTREAL QUE	M S W 2 RE 3 4750
KUSHNER SANDRA J 376 WISEMAN AVE OUTREMONT QUE	2 TCHRS CR 2 8655
KUSHNIR KWITOSLAWA M 5124 16TH AVE MONTREAL 36 QUE	B A 3 RA 1 9914
KUSSNER ROSALIE 4830 CEDAR CRES MONTREAL QUE	B A 3 RE 8 4403
KUZMINSKI IGNACE A 2023 MONTGOMERY AVE MONTREAL 24 QUE	M C L 1 LA 5 7262
KWAN KIM HUNG 3500 ST FAMILLE ST MONTREAL QUE	B ENG EL 4 VI 5 9642
KWAN YEE YIN 2077 KIMBERLEY ST MTL 12 PRINCIPAL ST STE AGATHE DES MONTS QUE	B ENG CIV 4 AV 8 3679
KWAVNICK DAVID 1325 DUCHARME AVE OUTREMONT QUE	B SC 2 CR 9 6752
KWOK CHI KAI CLYDE 3509 HUTCHISON ST APT 24 14 FUNG FAI TERRACE HAPPY VALLEY HONG KONG	B ENG PHY 3 VI 4 5310
KWONG NORMAN NAI MAN 533 W PRINCE ARTHUR ST 1 PRINCES TERRACE 2ND FL HONG KONG	MD CM 1 VI 9 0765
KYDD HELEN ELIZABETH ROYAL VICTORIA COLLEGE WATERVILLE KINGS CO N S	B A 4 VI 2 0526
KYSSA YURI APT 81 MACDONALD COLLEGE QUE	B ENG CH 5

L

LABELLE GEORGE W 2020 GREY AVE MONTREAL QUE	B ENG CIV 4 HU 1 7643
LABELLE SHIRLEY A STEWART HALL R R 3 ARUNDEL QUE	3 TCHRS
LABEREE MARILYN STEWART HALL R R 3 SAWYERVILLE QUE	3 TCHRS
LABOW JUDITH M 33 ST GEORGES ST STE ANNE DE BELLEVUE 21 MCNIDER AVE OUTREMONT QUE	2 TCHRS
LABRIE ROSS ERNEST 4145 BEACONSFIELD AVE MONTREAL QUE	M A 1 HU 1 4714
LACHANCE BROTHER PHILIP ECOLE ST GEORGES 7 COLLEGE ST STE ANNE DE BELLEVUE QUE	PH D 4
LACHAPELLE ANDRE J 5TH AVE PT CALUMET QUE	B ENG MET 5
LACHOWICZ ALOJZY R 4608 OXFORD AVE MONTREAL QUE	D D S 1 HU 1 8520
LACK PETER ROBERT 4430 CIRCLE RD MONTREAL QUE	B A 1 RE 8 6669
LACKEY ALLISON W 3015 SHERBROOKE ST W APT 406 MTL 445 PICCADILLY OTTAWA ONT	MD CM 1
LACOMBE JOSEPH ALPHONSE B 3612 ST GERMAIN MONTREAL QUE	B C L 2 LA 1 3801
LACROIX MICHAEL 246 EDISON AVE ST LAMBERT QUE	B ENG 2 OR 1 8860
LADD HELEN G MACDONALD COLLEGE SCOTSTOWN QUE	2 TCHRS 2
LADOUCEUR JEAN CLAUDE 232 DOLLIER ST ST JEAN QUE	PH D 3
LADOUCEUR RONALD A J TERRASSE VAUDREUIL QUE	B ENG 1
LAFERRIERE DENYSE 5017 KING EDWARD AVE MONTREAL QUE	B ENG MET 4 HU 4 0279
LAFFERTY JUDY MARJORIE ROYAL VICTORIA COLLEGE 425 MAPLE LANE OTTAWA 2 ONT	B SC 3 VI 9 0120

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LAFFOLEY JAMES BRIAN 3821 MARCIL AVE MONTREAL QUE	B SC 2 HU 4 4853
LAFFOLEY JOHN RICHARD 981 LAKESHORE RD CHATEAUGUAY CO QUE	B C L 3
LAFLAMME JOSEPH MARCEL G 190 PINE AVE W APT 11 326 NOTRE DAME DRUMMONDVILLE QUE	B ENG COM 5
LAFLEUR ANNE MARGARET 50 HEATH RD HAMPSTEAD QUE	B A 2 HU 4 1084
LAFLEUR ANTHONY JAMES 3661 ONTARIO AVE MONTREAL QUE	B C L 3 VI 3 6750
LA FLEUR FRANCOISE M G 3445 COTE DES NEIGES RD APT 123 MTL P O BOX 343 KAPUSKASING ONT	B N 1 WE 3 2856
LAFLEUR HENRI PHILIP 3661 ONTARIO AVE MONTREAL 25 QUE	B C L 3 VI 3 7650
LAFLEUR JEAN HUGUES 169 MAPLEWOOD AVE OUTREMONT QUE	B C L 3 CR 1 7215
LAFLEUR ROBERT J 169 MAPLEWOOD AVE OUTREMONT QUE	M C L 4 CR 1 7215
LAFRANCE HERMAN JOSEPH E 1518 DARLING ST MONTREAL QUE	B ENG MCH 4 LA 4 2807
LAGASSE JOSEPH RENE C 2328 MERCIER ST MONTREAL 5 QUE	B ENG 2 CL 5 6141
LAGENDYK NORMAN G 350 10TH AVE LACHINE QUE	B ENG 2 ME 7 6922
LAGOPOULOS WILLIAM 900 ABBOTT VILLE ST LAURENT QUE	B ARCH 1 RI 8 7586
LAGUEUX BARBARA ANN 487 DULWICH AVE ST LAMBERT QUE	B A 1 OR 1 7126
LAHTI LEO 2750 BEDFORD RD APT 94 MONTREAL QUE	B ENG CIV 3 RE 3 2687
LAIDLEY WENDELL HALDANE 56 SUNNYSIDE AVE WESTMOUNT QUE	B ENG 2 HU 6 6369
LAING ROBERT DONALD 7531 MOLSON MONTREAL 38 QUE	B A 2 RA 7 7395
LAIRD FITZ ROY 3583 DUROCHER ST MTL ABERDEEN P O JAMAICA B W I	B COM 2 VI 9 0678
LAISHLEY EDWARD JAMES BOX 2000 MACDONALD COLLEGE 400 MCLEOD ST OTTAWA ONT	B SC AGR 4
LAJZEROWICZ ROBERT 6510 DARLINGTON AVE MONTREAL QUE	B ENG COM 5 RE 3 0935
LAKATOS STEPHEN 1295 LAPRAIRIE ST MONTREAL QUE	B SC 4 WE 2 1309
LAKE EDWIN B BRITTAIN HALL FACTORY RD ST JOHNS ANTIGUA THE WEST INDIES	B SC AGR 3
LAKHAN ALFRED SAMUEL 3637 OXENDEN ST APT 3 29 COMMISSION ST SAN FERNANDO TRINIDAD W I	PARTIAL VI 9 0504
LAKHANPAL NARINDRA NATH 3454 PEEL ST MONTREAL 2 QUE	B ENG PWR 5
LALIBERTE ALBAN M 3511 UNIVERSITY ST MTL 2043 DEFOND SHAWINIGAN QUE	B ENG MCH 4
LALLA NICHOLAS CARMINE 964 MELROSE AVE MONTREAL 28 QUE	B ENG 1
LALONDE ANDRE 7185 SAGARD MONTREAL QUE	B ENG CIV 5 RA 1 0762
LALONDE CLAIRE 5510 STIRLING AVE APT 6 RUE LEVAC RIGAUD CO VAUDREUIL QUE	PHYSIOTH 2 RE 9 0273
LALONDE GUY JOSEPH 561 DAVAAR ST MTL 6 GLEN ECHO APT 105 TORONTO ONT	B SC 4 CR 7 0351
LALONDE LUC 3835 VERDUN AVE VERDUN QUE	B A 1
LAM ANTHONY K 3508 UNIVERSITY ST MTL 2 CHANCERY LANE HONG KONG	MD CM 1 VI 5 4873
LAMB GAIL E 2064 MCGILL COLLEGE AVE APT 21 MTL 202 BALLANTYNE AVE N MONTREAL WEST QUE.	B ARCH 6 VI 5 8503
LAMB JUDITH MARGARET 49 BROCK AVE MONTREAL WEST QUE	B A 1 HU 4 0922
LAMB WILFRID B 2064 MCGILL COLLEGE AVE R R 7 LONDON ONT	B ARCH 6 VI 5 8503
LAMBERT GOULDING 6 BRAESIDE PL MONTREAL QUE	B ENG 1 WE 2 9650
LAMBERT VIRGINIA MACDONALD COLLEGE ROSEMERE QUE	B SC H EC 3
LAMBERT WILLIAM JOHN FIELD HOUSE R R 1 WELLANDPORT ONT	B ED 3 VI 4 4270
LAMBIE MAX MICHAEL E 3541 SHUTER ST APT 10 ST ANNIS BAY JAMAICA B W I	B ENG CIV 4 VI 2 0892
LAMBSHEAD MARILYN D 15 ST ANNE ST STE ANNE DE BELLEVUE 7721 BROADWAY ST VILLE LA SALLE QUE	2 TCHRS
LAMONTAGNE JACQUES 2024 MCGILL COLLEGE AVE APT 10 MTL P O BOX 235 ST LEONARD N B	B ENG EL 3 AV 8 8367
LAMONTAGNE LOUISE MARIE M 60 HOLYROOD MONTREAL QUE	PHYSIOTH 2 RE 8 1994
LAMONTAGNE PIERRE 5717 HUDSON RD APT 5 MONTREAL QUE	M C L 4 RE 3 7021
LAMOUREUX JOSEPH GEORGE A 270 ST LAURENT LONGUEUIL QUE	B ENG EL 3 OR 4 6544

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LAND ANN L 4905 BORDEN AVE MONTREAL 29 QUE	PHYSIOTH 1 HU 1 5951
LAND REGINALD BRIAN 551 MERCILLE AVE ST LAMBERT QUE	M A 1 OR 1 5081
LAND ROBERT LARS 4905 BORDEN AVE MONTREAL QUE	PARTIAL HU 1 5951
LAND VITA JOYCE ROYAL VICTORIA COLLEGE 84 UNION ST SYDNEY N S	B SC 2 VI 2 0829
LANDA ANITA 2120 GOYER ST MONTREAL QUE	PHYSIOTH 3 RE 3 3482
LANDER GEORGE 500 PINE AVE W APT 12 5 GEORGE ST MIDDLETOWN CONN U S A	MD CM 3 VI 9 7200
LANDER PHILIP HOWARD F 6315 LENNOX AVE MONTREAL QUE	B SC 1 RE 8 9208
LANDRY PETER CORY 173 MORRISON AVE MONTREAL QUE	M SC 1 RE 3 5666
LANE RAYNALD ALLAN 3621 LORNE CRES MTL 149 WARNER ST MARIETTA OHIO U S A	MD CM 2 VI 4 6086
LANG ANDREW RICHARD G 3530 DUROCHER ST APT 16 MONTREAL QUE	PH D 3
LANG BETTY J 177 JASPER AVE TOWN OF MT ROYAL QUE	3 TCHRS RE 7 2865
LANG BRENDA JANE 358 CURZON AVE ST LAMBERT QUE	B A 1 OR 1 9794
LANG FREDA 3846 KENT AVE MONTREAL QUE	B A 4 RE 3 2481
LANG HEATHER P STEWART HALL 36 EASTBOURNE AVE BEACONSFIELD QUE	B ED P ED 2
LANG NICKI HAROLD 4554 STANLEY WEIR ST MONTREAL QUE	B SC 3 RE 9 1853
LANGEVIN RONALD LINDSAY A 668 SIXTH AVE VERDUN QUE	B SC 2 PO 6 2854
LANGHLAND WILLIAM P 113 RUE DE FLANDRE PREVILLE ST LAMBERT QUE	AGR DIP 1 OR 1 5388
LANGILLE ALAN R BRITTAIN HALL 162 BRUNSWICK ST TRURO N S	B SC AGR 3
LANGLAIS JACQUES N 2955 COTE STE CATHERINE MONTREAL 26 QUE	M A 1 RE 8 5020
LANGLEY CLAIRE ELIZABETH ROYAL VICTORIA COLLEGE 925 MOFFATT BRITANNIA HTS P O OTTAWA ONT	B SC 3 VI 2 0847
LANGLOIS GILLES Y 10755 TOLHURST APT 1 MONTREAL QUE	B ENG PWR 5
LANGSAM HENRY 4854 ST URBAIN ST MONTREAL QUE	B ENG PHY 3 CR 7 1921
LANGSNER ELINOR SINGER 5255 ST IGNATIUS AVE MONTREAL QUE	PARTIAL HU 8 3491
LANTHIER JOHN SPENCER 33 SURREY DR TOWN OF MT ROYAL QUE	B COM 1 RE 1 1675
LANYI SANDOR 3554 LORNE AVE MONTREAL QUE	B SC 3 VI 5 8602
LAOW BRENDA J STEWART HALL 2426 FULTON RD TOWN OF MT ROYAL QUE	2 TCHRS 2
LAPA GEORGE C O GOLF CLUB LAVAL SUR LE LAC QUE	B ENG 2 MU 1 3344
LAPAN WILLIAM AMES 418 PINE AVE W APT 27 21 RIVERSIDE DRIVE SARANAC LAKE N Y USA	B SC 2 VI 5 2989
LAPENNA EUGENE 6529 COTE ST LUC RD MONTREAL QUE	AGR DIP 1 HU 4 2348
LAPIN AVRUM ISSOR ELI 5035 HAMPTON AVE MONTREAL 29 QUE	B ENG PHY 4 HU 8 8137
LAPIN BARBARA 492 DUFFERIN RD HAMPSTEAD QUE	3 TCHRS HU 4 1336
LAPINAS KESTUTIS V 5300 16TH AVE MONTREAL 36 QUE	B ENG CIV 5 RA 2 2349
LAPLANTE CHARLOTTE T 1445 FORT ST APT 304 MTL 240 CHARLOTTE ST OTTAWA ONT	M SC 2 WE 7 2960
LAPLANTE MICHAEL P 4690 WESTMOUNT AVE MTL 240 CHARLOTTE ST OTTAWA ONT	MD CM 1 HU 4 1412
LAPLANTE RICHARD JOSEPH R 2395 SHEPPARD ST MONTREAL QUE	B COM 3 LA 5 7926
LAPOINTE JEAN LOUIS 295 QUERBES AVE OUTREMONT QUE	MED DIPL 4 CR 6 6477
LAROCHE DAVID ANDRE 4095 ST CATHERINE ST W WESTMOUNT QUE	B C L 3 WE 3 7321
LAROCHELLE JOSEPH EDGAR A 129 MARLBOROUGH AVE OTTAWA ONT	PH D 4
LAROCQUE J FRANCOIS A 3898 VAN HORNE AVE MTL 2137 BORD DU LAC ILE BIZARD QUE	B COM 4 RE 8 1234
LARSSON PETER 539 PINE AVE W MTL 104 WESTFIELD RD HULL E YORKS ENGLAND	M SC 2
LASCELLES GAETAN 258 SHERBROOKE ST W MTL 1 ABBOTT ST HAWKESBURY ONT	B ENG CIV 4 VI 4 7102
LASCHIAZZA DOMINIC 176 GOUIN BLVD MONTREAL QUE	MD CM 3 DU 7 3548
LASMAN RAMI 1235 BERNARD W APT 15 MONTREAL QUE	B SC 1 CR 7 6097
LASNIER BERNARD 2 ST ANTOINE LONGUEUIL QUE	B ENG 1 OR 4 6557
LASNIER JACQUES J 240 MCDOUGALL AVE OUTREMONT QUE	B C L 1 CR 9 9929

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LASTER HERSH 6403 DE VIMY AVE MONTREAL QUE	B SC 1 RE 9 0113
LASZLO CHARLES ANDREWS 2652 BRINTON RD APT A MONTREAL QUE	B ENG PHY 3 RE 8 7179
LASZLO GABRIEL P 4255 DUPUIS AVE APT 14 MONTREAL QUE	B ENG MCH 4 RE 9 0809
LATENDRESSE SERGE R MACDONALD COLLEGE 7 BELMONT ST GRANBY QUE	3 TCHRS
LATIMER JOHN MARTIN 3450 ATWATER AVE MONTREAL QUE	M A 1 WE 5 6091
LATOUR ROBERT NORMAN 367 ELM AVE WESTMOUNT 3 MONTROSE ST WORCESTER 10 MASS U S A	D D S 2 WE 5 7360
LATTARO VICTOR 10630 DE MARTIGNY ST MONTREAL 12 QUE	B ENG 2 DU 1 1709
LATTIK TIINA M 118 SHERBROOKE ST BEACONSFIELD QUE	2 TCHRS 1
LAU CHUI FU ARTHUR 3450 JEANNE MANCE ST MTL 84 JUNCTION RD 4TH FLOOR KOWLOON CITY HONG KONG	B ARCH 3 VI 9 6644
LAUDADIO ORESTO MARIO 4549 DE LANAUDIERE MONTREAL QUE	B ENG MI 3 LA 4 8150
LAURENDEAU ANDRE MARC 455 ELM AVE WESTMOUNT QUE	B ENG CIV 4 WE 7 3607
LAVALLEE PIERRE 110 BLVD DESAULNIERS ST LAMBERT QUE	B ENG 2 OR 1 0584
LAVENTURE STEWART R BOX 765 ARNPRIOR ONT	B SC AGR 1
L AVENTURE LINDA E ROYAL VICTORIA COLLEGE 99 CRESCENT RD TORONTO ONT	B A 1 VI 2 0597
LAVERS WILLIAM K 206 KENASTON AVE MONTREAL 16 QUE	B ENG 1 RE 8 2103
LAW FAI HOP 1441 DRUMMOND ST MTL 186 FA YUEN ST 6TH FLOOR KOWLOON HONG KONG	B ARCH 1
LAW SHIUWAI R L S W 3637 OXENDEN AVE MTL 192 LOCKHART RD 1ST FL WANCHAI HONG KONG	B ENG 1 VI 9 0504
LAWETZ HERMAN 6166 DUROCHER ST OUTREMONT QUE	B SC 1 CR 2 1355
LAWLOR ARNOLD G MACDONALD COLLEGE VICTORIA PK MORRISBURG ONT	B SC AGR 1
LAWRENCE GLADYS A MACDONALD COLLEGE R R 3 BURY QUE	3 TCHRS
LAWRENCE RUSSELL DEAN 4949 CONNAUGHT AVE MONTREAL 29 QUE	B ENG 2
LAWRENCE WENDELL A 2066 MANSFIELD ST MTL 46 HILLSBOROUGH ST ROSEAU DOMINICA WEST INDIES	B ENG CIV 5 VI 2 0845

NAME ADDRESS	COURSE & YEAR TEL. NO.
LAWRIE IAN DOUGLAS BRITTAIN HALL ST AUGUSTINE TRINIDAD B W I	B SC AGR 4
LAWSON MARY G STEWART HALL 37 CHURCH HILL WESTMOUNT QUE	B ED P ED 2
LAWSON NORMAN CAMERON BOX 83 MACDONALD COLL 18 BELLSMYRE AVE DUMBARTON SCOTLAND	PH D 2
LAWSON RAY EVANS 37 CHURCH HILL WESTMOUNT QUE	B SC 1 WE 5 5747
LAWSON WILLIAM M DOUGLAS HALL AYLMER RD R R 1 HULL QUE	B SC 1
LAX BERNARD BALFOUR 1888 NORWAY RD TOWN OF MT ROYAL QUE	PH D 2 RE 1 1306
LAXSON ROBERT GORDON 3482 MCTAVISH ST MTL 133 MANVILLE AVE E ASBESTOS QUE	B ENG EL 4 VI 4 0589
LAYNE RICHARD EVELYN C BRITTAIN HALL BOX 105 ST VINCENT B W I	B SC AGR 4
LAZAR HARVEY 4910 DORNAL AVE MONTREAL QUE	B SC 3 RE 8 7043
LAZAR IRVING 2720 BEDFORD RD APT 2 MONTREAL QUE	B SC 1 RE 3 4052
LAZAR MARION 4935 PONSARD AVE MONTREAL QUE	B A 1 RE 7 1747
LAZAR MARTIN LEWIS 5145 COTE ST LUC RD APT 26 MONTREAL QUE	B SC 1 HU 4 1645
LAZARE MARK 5570 LAVOIE ST MONTREAL QUE	B SC 2 RE 8 8060
LAZARUS MORDEN 5606 BORDEN ST COTE ST LUC QUE	B A 1 HU 8 7117
LEACH GEOFFREY CAMPBELL 37 PARKSIDE ST MONTREAL WEST QUE	B SC 3 HU 4 4011
LEAVITT MARILYN JANE 5120 SIR GEORGE SIMPSON LACHINE QUE	B ED P ED 1 ME 7 7432
LEBANS WILLIAM M 80 BEACONSFIELD COURT HARVEY RD P O ST JOHNS NFLD	M SC 1
LE BARON JOHN FRANCIS DOUGLAS HALL 300 HOWARD AVE SHERBROOKE QUE	B A 1 VI 4 0977
LEBEAULT JOSEPH ANDRE A P 36A ST CHARLES WEST LONGUEUIL QUE	B ENG CIV 4 OR 4 9460
LEBEL JULES 2019 GOUIN BLVD EAST MONTREAL 12 QUE	M SC 1 DU 8 1837
LEBLANC JEAN R 5296 PONSARD AVE MONTREAL QUE	B COM 2 HU 9 6976
LE BLANC JOSEPH PATRIC Y 10020 VERVILLE ST MONTREAL QUE	B ENG 2 DU 1 3273

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LEBLANC LEO CHARLES BRITTAIN HALL MARGAREE INFR CO N S	B SC AGR 4
LEBLANC SIMONE A M 845 6TH AVE VERDUN QUE	B L S 1 PO 6 4455
LEBLOND PAUL QUEEN MARY VETERANS HOSP 341 SEMINAIRE AVE CHICOUTIMI QUE	B SC 2 VI 4 0046
LEBLOND PAUL NOEL 68 CHESTERFIELD AVE MONTREAL 6 QUE	B SC 1 HU 6 4837
LEBLOND PHILIPPE LOUIS 68 CHESTERFIELD AVE WESTMOUNT QUE	B ENG EL 4 HU 6 4837
LEBOFF FRANK 4782 MAPLEWOOD AVE MONTREAL QUE	B COM 4 RE 8 7542
LEBUIS JEAN J 4962 COTE DES NEIGES RD MONTREAL QUE	M SC 1 RE 8 6053
LECKER CHARLOTTE JOYCE 1600 DUTRISAC ST VILLE ST LAURENT QUE	B SC 1 RI 7 2042
LECKER CYNTHIA 5720 MOUNTAIN SIGHTS MONTREAL QUE	3 TCHRS RE 7 6729
LECKER SIDNEY 4930 ST KEVIN AVE APT 12 MONTREAL QUE	MD CM 1 RE 9 2140
LECKIE NESSA 3320 GOYER AVE APT 14 MONTREAL QUE	PARTIAL RE 8 0860
LECLERC JAMES RENE 4190 ST JOSEPH ST LACHINE QUE	B ENG CH 4 ME 7 8348
LE CLERC WILBROD 3635 RIDGEWOOD AVE APT 107 MONTREAL QUE	PARTIAL RE 8 7612
L ECUYER YVES J FRANCOIS 1829 LAURENTIDES BLVD ST ELZEAR CO LAVAL QUE	B COM 1 MO 9 5989
LEDDEN BARBARA ANNE ROYAL VICTORIA COLLEGE 205 NORTH AVE WEST CRANFORD N J USA	B A 4
LEDERMAN SYLVIA DIANE 1249 GREENE AVE MONTREAL QUE	B A 4 WE 5 2000
LEDLEW DAPHNE E 3583 DUROCHER ST APT 3 P O BOX 246 DEER LAKE NFLD	B N 1 VI 9 0678
LEDOUX GILLES 96 8TH AVE VILLE LASALLE QUE	PH D 2 PO 8 5979
LEE ALFRED SING WILSON HALL 311 WEST 21ST AVE VANCOUVER 10 B C	B ENG CH 4 VI 4 0624
LEE ANDREW JOHN BRITTAIN HALL CHELSEA QUE	B SC AGR 2
LEE D ARCY ALEXANDER 1001 SHERBROOKE ST W MTL 123 ABERCROMBY ST PORT OF SPAIN TRINIDAD T W I	B SC 2 AV 8 4667
LEE DAVID K 72 MARIE ANNE ST W MTL 12 HOPEDALE AVE TORONTO 6 ONT	B ENG 2 VI 9 8557
LEE HEM WING 3919 ST URBAIN ST MONTREAL QUE	B ENG MET 3 VI 4 8992
LEE HON SUN SPENCER 3485 HUTCHISON ST APT 3 7 POPLAR ST GR FL KOWLOON HONG KONG	B SC 2
LEE JOHN HUKSUN 3573 HUTCHISON ST MTL 30 HILLWOOD RD GR FLR KOWLOON HONG KONG	B ENG MCH 4
LEE JOHN YORK HON 3508 UNIVERSITY ST MTL 75 ROBINSON RD 3RD FLOOR HONG KONG	B SC 2 VI 5 4873
LEE JONATHAN KE PING 3450 JEANNE MANCE ST MTL 436 CHATHAM RD 3RD FL KOWLOON HONG KONG	B ENG PHY 4 AV 9 6644
LEE KWOK WING 1441 DRUMMOND ST MTL P O BOX 1071 HONG KONG	B ENG MCH 3
LEE LEUNG KEY CLEMENT 3637 OXENDEN AVE MTL 33 FUNG LO WAN RD GROUND FLOOR HONG KONG	B ENG 1
LEE LEVEN ROYAL VICTORIA COLLEGE 22A RUA DES DOMINGOS MACAU	B SC 1 VI 2 0597
LEE LIM 3609 UNIVERSITY ST MTL 335 MAIN ST WOBURN MASS U S A	PH D 3 AV 8 6307
LEE SANG MAN 1537 ST MATTHEW ST APT 8 119 12 HWANG KUM DONG KIM CHUN KOREA	PH D 2 WE 2 5077
LEE SHIK Y 612 24TH AVE S W CALGARY ALBERTA	B ARCH 3
LEE YET CHEUNG 2100 MOREAU ST MONTREAL QUE	B SC 2 LA 1 4900
LEE YIK MING R 3575 SHUTER ST MTL 14A GROVE RD KINGSTON 10 JAMAICA T W I	B ENG 2
LEE YORK HON JOHN 3407 HUTCHISON ST MTL 75 ROBINSON RD 3RD FLOOR HONG KONG	B SC 1
LEES PENELOPE A 43 BELTON RD POINTE CLAIRE QUE	2 TCHRS 1
LEFCOE MICHAEL STANLEY 4720 WESTMOUNT BLVD MONTREAL QUE	B SC 1 HU 4 [illegible]184
LEFCORT ELIZABETH 641 ROSLYN AVE WESTMOUNT QUE	B A 1 HU 4 5472
LEFCORT ROBERT 3460 SIMPSON ST APT 103 MONTREAL QUE	B A 3 WE 7 5961
LEGARE PAULINE H 2090 SHERBROOKE ST W APT 3 MTL 208 CLEMOW AVE OTTAWA ONT	M S W 1 WE 2 6815
LEGG EDWARD JOHN 127 ST CHARLES ST ST JEAN QUE	B COM 2
LEGG THOMAS HARRY 5765 HUDSON RD APT 2 MONTREAL QUE	PH D 3 RE 9 1007

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LEGHARI MOHD IQBAL L 3737 HUTCHISON ST APT 1 VILL RAHIMABAD RLY ST SADIKABAD BAHAWALPUR W PAKISTAN	B SC 2 VI 9 9503
LE GRAS FRANCOIS H 3508 UNIVERSITY ST MTL 2136 NIAGARA DR OTTAWA ONT	B D 1
LEHMAN GEOFFREY W 3435 MOUNTAIN ST MONTREAL QUE	MED DIPL 5 VI 9 4318
LEHMANN MARC M 1177 FONTAINE BLEAU ST JACQUES CARTIER QUE	B ENG 1 OR 4 1087
LEHTO JOHN R 21 MCMASTER AVE TORONTO ONT	B ENG MI 3
LEIBE EVA MARIA 4854 WILSON AVE MONTREAL QUE	PHYSIOTH 4
LEIBE RALPH 4854 WILSON AVE MONTREAL QUE	B ENG CIV 4 HU 8 3756
LEIBOV CHARLOTTE 6753 MARQUETTE ST MONTREAL QUE	3 TCHRS RA 8 4715
LEICHTAG HELENE 6150 DEACON RD MONTREAL QUE	B SC 4 RE 8 5302
LEIGH DAVID 52 JASPER RD BEACONSFIELD QUE	PARTIAL
LEIGH GEORGE A 5732 HUTCHISON ST OUTREMONT QUE	B C L 1 CR 7 3928
LEIGH HOWARD WILLIAM 3490 TRENHOLME AVE MONTREAL QUE	B ENG PHY 4 HU 4 2033
LEIGHTON HENRY GEORGE 864 DOLLARD AVE OUTREMONT QUE	B SC 2 CR 1 9107
LEITASS RUTA 644 35TH AVE LASALLE QUE	B SC 2 DO 6 5095
LEITH DONALD ROBERT 145 51ST AVE LACHINE QUE	D D S 2 ME 7 7470
LEITH WILLIAM CUMMING 4534 DRAPER AVE MONTREAL QUE	PH D 2 HU 8 7657
LEITHMAN SIDNEY HARRY 4139 DE BULLION ST MONTREAL QUE	B C L 2
LELACHEUR KEITH E P O BOX 1210 CHARLOTTETOWN P E I	PARTIAL
LELOVIC HELEN MARY 385 MELBOURNE AVE TOWN OF MT ROYAL QUE	B COM 3 RE 7 6154
LEMAIRE BERNARD 69 NEWTON ST DRUMMONDVILLE QUE	B ENG CIV 3
LE MAISTRE AUDREY ANN ROYAL VICTORIA COLLEGE 3455 BROADWAY APT 4 LACHINE QUE	B A 2
LEMCOUITZ ROSLYN 336 ST CATHERINE RD MONTREAL QUE	B A 1 CR 7 9947
LEMIEUX JEAN W J Y 135 JACQUES CARTIER ST JEAN QUE	B ENG MCH 5
LENGER JACK B A 4669 ST DOMINIQUE ST MONTREAL QUE	B ENG 1 VI 5 5331
LENTGIS EVANGELINE ROYAL VICTORIA COLLEGE 1065 PARK AVE QUEBEC CITY QUE	B A 2 VI 2 0334
LEON EMMANUEL V 5360 WALKLEY AVE APT 24 MONTREAL QUE	M ENG 1 HU 4 3786
LEONG DAVID SIU KWONG 1441 DRUMMOND ST MTL 16 COLLEGE ST KITCHENER ONT	B SC 2
LEPORE LEONARD ROBERT 6547A ST DOMINIQUE ST MONTREAL QUE	B COM 2 CR 7 9556
LEPP TIINA 4860 QUEEN MARY RD APT 14 MONTREAL QUE	B ARCH 2 RE 3 3861
LERNER EARL 4865 FULTON AVE MONTREAL QUE	B SC 3 RE 8 1673
LERNER FRED P 582 COTE ST ANTOINE RD WESTMOUNT QUE	B ENG 1 HU 6 4023
LERNER MILDRED 4927 CARLTON AVE MONTREAL QUE	M S W 1 RE 9 2763
LERNER SHIRLEY 4927 CARLTON AVE MONTREAL QUE	B SC 1 RE 9 2763
LEROUX CLAUDE 3453 SHUTER ST MTL BOX 261 ALEXANDRIA ONT	B ENG 1 VI 5 0925
LEROUX LISE CLAUDETTE ROYAL VICTORIA COLLEGE 436A ADOLPHUS ST CORNWALL ONT	B SC 4 VI 2 0598
LEROUX PIERRE GEORGE 2525 SHERBROOK ST E APT 1 MONTREAL QUE	B ENG 2
LESLIE IAN OGILVY 509 CLARKE AVE WESTMOUNT QUE	B ENG 2 WE 2 7989
L ESPERANCE JEAN L 1071 BLEURY ST MONTREAL 3 QUE	M A 1 UN 1 6187
LESPERANCE PIERRE JACQUES 71 MORRISON TOWN OF MT ROYAL QUE	PH D 3 RE 7 2294
LESPERANCE RICHARD R 7690 LOUIS HEBERT ST MONTREAL QUE	MD CM 1 RA 7 4163
LESSARD PAUL E BRITTAIN HALL MACDONALD COLLEGE C O NORBERT LESSARD ST FREDERIC BEAUCE QUE	B SC AGR 1
LETOURNEAU SEVERIN J A 53 SPRING GROVE OUTREMONT QUE	M C L 4 CR 2 1811
LEUNER WILHELM RUPRECHT 3640 MOUNTAIN ST MTL BOX 33 OUDTSHOORN C P S AFRICA	M SC 2 VI 9 1459
LEUNG ALFRED KA CHE 3471 CITY HALL AVE MTL 25F ROBINSON RD 3RD FL HONG KONG	B ENG CIV 5 VI 4 0274
LEUNG CHANG TOM 3543 JEANNE MANCE ST MTL 88A COLBORNE ST OAKVILLE ONT	B ENG EL 4 VI 2 3658

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LEUNG KAM YING 3619 OXENDEN AVE APT 6 60 VILLAGE ROAD 1ST FL HONG KONG	B SC 4
LEUNG KWOK TZE 2073 TUPPER ST MTL 10 SOARES AVE KOWLOON HONG KONG	B ENG PHY 4 VI 2 0690
LEUNG PHILIP M B BOX 45 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2
LEUNG WING HUEN VINCENT 1585 MCGREGOR ST APT 28 148 PRINCE EDWARD RD HONG KONG	PARTIAL WE 2 8451
LEUNG YIM 3519 LORNE AVE MTL 28 GILMAN BAZAAR	B ENG 1
LEVERT JOSEPH LOUIS PAUL 106 GRAHAM BLVD MTL P O BOX 465 KAPUSKASING ONT	B ENG 2 RE 7 7539
LEVESQUE DELMAS ELDI 430 SHERBROOKE ST EAST MONTREAL QUE	PARTIAL VI 4 1026
LEVESQUE JACQUES 1425 BERNARD AVE APT 17 BEDFORD CTE MISSISQUOI QUE	M C L 4 CR 7 1478
LEVINE ALLEN LANCE 4541 HAMPTON AVE MONTREAL QUE	B COM 3 HU 8 4981
LEVINE ARTHUR 174 SHERATON DR MONTREAL WEST QUE	B ENG EL 3 HU 9 6855
LEVINE DAVID ZELIG 4896 FULTON ST MONTREAL QUE	B SC 4 RE 1 5702
LEVINE ELEANOR 3210 KENT AVE MONTREAL QUE	PHYSIOTH 1 RE 9 0202
LEVINE ELIZABETH 5521 BRADFORD PL MONTREAL QUE	B A 3 RE 8 4969
LEVINE GERALD JERRY 2817 BEDFORD RD MONTREAL QUE	B SC 1 RE 9 1316
LEVINE JUDITH ANN ROYAL VICTORIA COLLEGE 10 INGLEWOOD DR HALIFAX N S	B A 4 VI 2 0477
LEVINE LEONARD ELIOT 4165 ESPLANADE AVE MONTREAL QUE	PARTIAL AV 8 3452
LEVINE MARTIN DAVID 2817 BEDFORD RD MONTREAL QUE	B ENG PHY 4 RE 9 1316
LEVINE SAUL 595 BRUNET ST VILLE ST LAURENT QUE	B SC 4 RI 7 5054
LEVITT AARON 5436 HUTCHISON ST OUTREMONT QUE	B A 2 CR 7 8983
LEVITT BEVERLEY MIRIAM 630 ROSLYN AVE WESTMOUNT QUE	B A 1 HU 4 3800
LEVITT MARGARET L F 6915 FIELDING AVE APT 28 MONTREAL QUE	B A 4 HU 4 6967
LEVITT MILTON ARTHUR 3442 DECARIE BLVD MONTREAL QUE	B COM 3 HU 4 9906
LEVITZ LAWRENCE GERALD DOUGLAS HALL CORNERBROOK NFLD	B SC 2
LEVY DAVID 1636 DUCHARME AVE OUTREMONT QUE	B A 3 CR 7 7413
LEVY JOSEPHINE 5811 ESPLANADE AVE MONTREAL QUE	3 TCHRS CR 4 8049
LEVY MIRIAM G 3477 DRUMMOND ST MONTREAL QUE	M S W 2 AV 8 7080
LEVY MORTIMER 1582 DUCHARME AVE OUTREMONT QUE	MD CM 2 CR 6 5671
LEVY NORMAN 6211 LENNOX AVE APT 8C MONTREAL QUE	B A 4 RE 8 9292
LEVY ROBERT 4750 DUPUIS AVE MONTREAL QUE	B SC 4 RE 3 8492
LEVY STEPHEN 690 ABERDEEN AVE WESTMOUNT QUE	B A 2 HU 1 4813
LEVY THOMAS ALLEN 5386 WAVERLY ST MONTREAL QUE	B A 1 CR 9 5157
LEVY VIOLET ROYAL VICTORIA COLLEGE 169 JARVIS ST TORONTO ONT	B SC 2 VI 2 0180
LEWIS ALBERT VICTOR 4059 WESTHILL AVE MONTREAL QUE	B ENG EL 3 HU 4 1481
LEWIS ANNE CARTER 555 SHERBROOKE ST W MONTREAL QUE	B SC N 3 VI 2 0327
LEWIS HELEN B W 1561B PINE AVE WEST MONTREAL QUE	MD CM 3 WE 5 6013
LEWIS IDRIS BANFIELD 3471 PEEL ST MTL 47 CHURCH ST GARSON ONT	B ENG 2 VI 5 6491
LEWIS LEON 1914 CLINTON AVE MONTREAL QUE	D D S 3 RE 7 2185
LEWIS MARGARET L 549 BRIXTON AVE ST LAMBERT 23 QUE	B SC N 2 OR 1 1196
LEWIS MICHAEL B 6282 MCLYNN AVE MONTREAL QUE	B ENG 1 RE 7 6834
LEWIS NOEL MARGUERITE 555 SHERBROOKE ST W MONTREAL QUE	M A 1 VI 2 0113
LEWIS VIRGINIA 423 ELM AVE WESTMOUNT QUE	B A 1 WE 3 9745
LEWITTES DAVID 1942 CLINTON AVE MONTREAL QUE	B SC 4 RE 7 2288
LEWITTES JEWEL 1942 CLINTON AVE MONTREAL QUE	B A 1 RE 7 2288
LEWTHWAITE LESLIE A ROYAL VICTORIA COLLEGE BOX 160 EMERSON MAN	PHYSIOTH 2 VI 2 0833
LEZNOFF ARTHUR 7491 OSTELL CRES MONTREAL QUE	PARTIAL RE 3 8037

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LEZNOFF CLIFFORD CLARK 370 WISEMAN AVE OUTREMONT QUE	B SC 2 CR 9 5817
LI CHOI KWAN MABEL STEWARD HALL 113 HENNESSY RD 1ST FLOOR HONG KONG	B SC H EC 1
LIAKAKOS ARTEMIS ROYAL VICTORIA COLLEGE 141 WENTWORTH ST ST JOHN N B	B SC 2 VI 2 0334
LIANG KAR KWAN 5000 CLANRANALD AVE APT 306 MONTREAL QUE	M ENG 3 HU 6 7772
LIBAN ASSEFA 3555 HUTCHISON ST MONTREAL QUE	B C L 2 VI 2 0613
LIBERTY JEAN BERNADETTE MACDONALD COLLEGE 641 RIVER RD PEMBROKE ONT	B SC H EC 3
LIBMAN LOUIS 4785 BOUCHETTE ST MONTREAL QUE	B SC 3
LICHTENBERGER GUNTER J 4648 ORLEANS MONTREAL QUE	B ENG PHY 5 CL 9 9546
LIEBICH IRENE 1774 CEDAR AVE MONTREAL 25 QUE	PARTIAL WE 7 1341
LIEBMANN JOHN 7734 BLOOMFIELD AVE MONTREAL QUE	B ENG 2 CR 6 2353
LIERSCH CELESTE BELNAP 55 FORDEN AVE WESTMOUNT QUE	PARTIAL WE 5 2223
LIFF JOSEPH 1441 DRUMMOND ST MTL 154 NELSON ST OTTAWA ONT	B ARCH 6 VI 9 8331
LIGHT IRWIN JOSEPH 218 MAPLEWOOD AVE OUTREMONT QUE	MD CM 4 CR 2 8077
LIGHT MARVIN LAWRENCE 218 MAPLEWOOD AVE OUTREMONT QUE	B SC 1 CR 2 8077
LIGHT SAMUEL MARTIN 495 PRINCE ARTHUR ST MTL 276 FIFTH AVE NEW YORK U S A	B A 2 VI 2 3537
LIGHTBODY VEDA MAUREEN STEWART HALL 9 FAIRVIEW COURT LINDSAY ONT	B SC H EC 3
LIGHTHALL DOREEN SANDRA 605 TAIT ST VILLE ST LAURENT QUE	B SC 3 RI 7 8277
LIGHTMAN ROBERT DALE 4902 VICTORIA AVE MONTREAL 29 QUE	B A 1 HU 9 2626
LIGHTSTONE MARILYN ISOBEL 4710 QUEEN MARY RD APT 6 MONTREAL QUE	B A 2 RE 9 0187
LILLIE JOHN BARRY 146 DOUGLAS SHAND AVE PTE CLAIRE QUE	MD CM 2
LIMONARD THEUNIS 30 MTEE STE MARIE STE ANNE DE BELLEVUE QUE	PH D 1
LIMONCHIK MORRIS 3642 ST LAWRENCE BLVD MONTREAL 18 QUE	B ED P ED 2 VI 2 4759
LIMPERIS 1249 CITY HALL AVE MONTREAL 18 QUE	B ENG 1 UN 6 0797
LIN SYLVIA JUNG PIN 3567 SHUTER ST APT 4 MTL 221D NATHAN ROAD KOWLOON HONG KONG	MD CM 2 VI 5 0794
LINDELL JOHN LOUIS 3592 UNIVERSITY ST MTL 10 DACTYLE ST ASBESTOS QUE	B COM 4 VI 2 2435
LINDSAY FRASER RONALD 48 ARLINGTON AVE WESTMOUNT QUE	B C L 4 WE 7 2536
LINDSAY PETER F 3816 DRAPER AVE MONTREAL 28 QUE	B ENG 2 HU 6 9469
LINDSAY RAYMOND HUNTER 25 BURTON AVE WSTMT 980 RAYMOND CASGRAIN QUEBEC CITY QUE	B ENG 2 HU 4 1089
LINDSAY ROBERT JOHN 4386 WESTERN AVE WESTMOUNT QUE	M ENG 2 WE 5 2189
LINDSTROM KARIN BIRGITTA 5686 QUEEN MARY RD HAMPSTEAD QUE	B A 3 HU 1 1476
LINKLETTER GRAEME A R R 1 SUMMERSIDE P E I	B SC AGR 3
LINSDELL FRANCIS J 6030 COTE ST LUC RD APT 201 MONTREAL QUE	MED DIPL 1 HU 1 3733
LIPOWSKI ZBIGNIEW JERZY MASSACHUSETTS GENL HOSP BOSTON 14 MASS U S A	MED DIPL 4
LIPPER CHARLES RALPH 490 STRATHCONA AVE WESTMOUNT QUE	B A 2 WE 3 9918
LIPPMAN HILLIARD DAVID 739 WILDER AVE OUTREMONT QUE	B A 1 CR 1 6200
LIPROT BRADLEY T 1441 DRUMMOND ST MTL 115 BELVIEW AVE HAMILTON ONT	B SC 1 VI 9 4171
LIPSKI BERNARD 6616 PARKVIEW COTE ST LUC MONTREAL QUE	B ENG MCH 5
LIPSTEIN GERALD 4410 LINTON AVE APT 3 MONTREAL QUE	B SC 2 RE 9 1681
LIS JULIUS 4597 MELROSE AVE MONTREAL QUE	B COM 4 HU 4 7305
LISOGURSKI HANNAH 6301 MCLYNN AVE MONTREAL QUE	B SC 4 RE 3 6635
LISOGURSKI JACK 777 QUERBES AVE OUTREMONT QUE	B ENG 1 CR 1 1725
LITHWICK RUTH VICKI ROYAL VICTORIA COLLEGE 357 SOMERSET ST E OTTAWA ONT	PHYSIOTH 2 VI 9 0120
LITMAN ABRAHAM 4606 COOLBROOK AVE MONTREAL QUE	B ENG EL 4 HU 6 4057
LITTLE EDWARD TAMBLING 417 LAIRD BLVD MONTREAL 16 QUE	B COM 1 RE 3 1800
LITTLE ELIZABETH HELEN STEWART HALL NORTH HATLEY QUE	B SC AGR 3
LITTLE JOHN ELLIOTT 3434 MCTAVISH ST MTL 1301 DELAUNE AVE QUEBEC CITY QUE	B ENG MCH 3 VI 2 4492

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LITTLE JOHN MILTON 71 DEVON RD BAIE D URFEE QUE	MD CM 2
LITTLE THOMAS D ARCY BRITTAIN HALL 60 45TH AVE LACHINE QUE	B SC AGR 3
LITTLER ELLSWORTH R 2101 UNIVERSITY ST APT 29 MTL IRVINGTON ON HUDSON NEW YORK U S A	MD CM 4 VI 2 4371
LITVACK BERNARD MILTON 5203 ISABELLA AVE MONTREAL QUE	B SC 1 HU 6 7874
LITVACK NAOMI MILLER 2805 DARLINGTON PL MONTREAL QUE	B A 4 RE 8 1732
LITWACK MORTON JOSEPH 5640 WOODBURY AVE MONTREAL QUE	B C L 2 RE 7 3830
LITWIN JUDITH S 6101 TERREBONNE AVE MONTREAL QUE	3 TCHRS HU 1 6120
LIVERPOOL SAMUEL ALLAN 3469 HUTCHISON ST MONTREAL QUE	D D S 4 VI 5 2630
LIVINGSTONE MINA 30 STRATHMORE BLVD STRATHMORE QUE HOPEFIELD P E I	B SC AGR 1
LIVINGSTONE SAMUEL JAMES 10 CHURCH ST CHATEAUGAY N Y USA	B D 2
LJUNGBERG CARL HENRIK 175 CHESTER AVE MONTREAL 16 QUE	B ENG MCH 4 RE 8 4470
LLOYD LARRY DAVIES 732 DESAULNIERS BLVD ST LAMBERT QUE	B ENG 1 OR 1 6380
LLOYD MONA JEAN ROYAL VICTORIA COLLEGE 6 CLEMENT RD HANOVER N H USA	B SC 3 VI 2 0265
LO EDMOND KAI WAI 4352 DECARIE BLVD APT 2 6 TAK HING ST 3RD FL KOWLOON HONG KONG	B SC 4 HU 9 7638
LO TING WA 3537 SHUTER ST APT 3 MTL 397 HENNESSY RD 3RD FLR HONG KONG	B ARCH 3
LOBBAN RUBY 25 PINE AVE W APT 217 MTL KINGSTON JAMAICA T W I	B A 1
LOBDELL DAVID W BRITTAIN HALL BOX 137 SAWYERVILLE QUE	3 ED 1
LOBEL LAWRENCE VINCENT 2712 ST CATHERINE RD MONTREAL QUE	B SC 1 RE 1 0941
LOCHEAD JOHN ALBERT 4291 SHERBROOKE ST W WESTMOUNT QUE	B A 4 WE 2 5628
LOCHHEAD DAVID MORGAN 66 STRATHEARN AVE MONTREAL WEST QUE	B SC 4 HU 4 1576
LOEB BERNICE PERITZ 3405 DECELLES PL MONTREAL QUE	B L S 1 RE 8 9861
LOEWENHEIM JULIET 1 BELLEVUE AVE WESTMOUNT QUE	B SC 1 HU 8 7825
LOFFT JOHN GORDON 1297 REDPATH CRES MTL ST ELIZABETHS HOSPITAL WASH 20 D C U S A	MED DIPL 2
LOFFT MICHAEL MILES 1297 REDPATH CRES MONTREAL QUE	B A 2 VI 5 3056
LOHRENZ JOHN GEORGE VERDUN PROT HOSPITAL 120 GRASSMERE PTE CLAIRE QUE	MED DIPL 2 PO 8 4711
LOHSE ROBERTA LEE MACDONALD COLLEGE 30 ELMWOOD AVE SENNEVILLE QUE	B SC H EC 3
LOISELLE PHYLLIS 3430 SHERBROOKE ST EAST APT 3 MONTREAL 4 QUE	M A 1 LA 3 1245
LOKEN OLAV H MCGILL SUBARTIC RESEARCH LABORATORY SCHEFFERVILLE QUE	PH D 2
LONDON ELEANOR FLORENCE 4070 KENT AVE MONTREAL QUE	B A 4 RE 8 0868
LONG HARLE BENSON 1514 CRESCENT ST MTL 500 EDGEWORTH OTTAWA ONT	B A 4 VI 9 0278
LONGHURST MARK FRANKLIN 125 LINWOOD CRES TOWN OF MT ROYAL QUE	B A 1 RE 3 2204
LONGTIN JEAN P 10870 BERRI ST MONTREAL QUE	B C L 2
LOO CHUN 1441 DRUMMOND ST MTL 544 ST ANTOINE ST LA TUQUE QUE	B ENG 2 VI 9 4171
LORANGER DENIS REAL 10455 ST HUBERT ST MONTREAL QUE	B ENG CIV 5 DU 8 6475
LORANGER MARIE AIMEE J 2320 LINCOLN AVE APT 12 MONTREAL 25 QUE	B C L 3 WE 3 7749
LORD JUDY S MACDONALD COLLEGE 159 VICTORIA ST MAGOG QUE	3 TCHRS
LORENTE RAMON 1441 DRUMMOND ST MTL CONCEPCION 475 LAWTON HABANA CUBA	B ENG 1
LORENZETTI DARIO W C 5732 MOLSON MONTREAL 36 QUE	MD CM 3 LA 2 9488
LORTIE MARIE IRENE H 5585 GATINEAU MONTREAL 26 QUE	M SC 1 RE 8 4893
LOSIER JOSEPH GUY MACDONALD COLLEGE TROUT STREAM N B	B SC AGR 4
LOTHIAN JOHN K M 6695 FIELDING AVE APT 5 MTL 19 COLLEGE BOUNDS ABERDEEN SCOTLAND	M A 1
LOUGH ANDREA JANE ROYAL VICTORIA COLLEGE HUNTSVILLE ONT	B ED 3 VI 2 0334
LOVE MARY SUSANNE ROYAL VICTORIA COLLEGE 26 HERBERT ST NEW GLASGOW NOVA SCOTIA	B A 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LOVEYS JOHN MACDONALD COLLEGE BEVUELLR MILERTONE CHUDLAIGH S DEVON ENGLAND	AGR DIP 1
LOVI ANTHONY OSCAR 6300 TRANS ISLAND AVE MONTREAL QUE	B ENG 2 RE 3 5949
LOWE LAWRENCE EDWARD HUT C 14 MACDONALD COLLEGE QUE	M SC 1
LOWE ROSEMARY HUT C 14 MACDONALD COLLEGE QUE	PARTIAL
LOWNDES PETER B 561 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 7 9732
LOWTEN OLIVE M 605 CANNING ST MONTREAL 3 QUE	B N 2 WE 3 9022
LOWY FREDERICK HANS 391 ST JOSEPH BLVD WEST APT 4 MONTREAL QUE	MD CM 4 CR 6 7902
LUARD JOHN CHRISTOPHER E 3466 SHUTER ST APT 407 646 FLAMINGO DRIVE FORT LAUDERDALE FLORIDA U S A	B A 2
LUBIN MARTIN 855 ROCKLAND AVE MONTREAL 8 QUE	B A 2 CR 7 8961
LUBINSKY JUNE P O 90 MACDONALD COLL 21 ST ANNE ST STE ANNE DE BELLEVUE QUE	PH D 2
LUCAS JOAN CAROLE ROYAL VICTORIA COLLEGE 211 STORMONT RD VICTORIA B C	B SC 1 VI 9 0993
LUCAS JOSEPH CLAUDE M 3980 COTE DES NEIGES RD APT A51 MONTREAL QUE	B COM 1 WE 2 6836
LUCAS KATHERINE ANNE ROYAL VICTORIA COLLEGE 5024 ECHO DR R R U ROYAL OAK B C	B SC 4 VI 2 0571
LUCCIOLI GIVLIANO M MONTREAL GENERAL HOSP MONTREAL QUE	MED DIPL 1
LUCE JAMES EDWARD 5960 VICTORIA AVE MONTREAL QUE	PH D 3 RE 8 1876
LUCIA GEORGE E 3340 GOYER ST APT 15 MTL 21 WILLIAM ST PLATTSBURG N Y USA	MD CM 4 RE 8 8962
LUCIOW MARY 7720 1ST AVE VILLE ST MICHEL 1757 ST JOHN ST REGINA SASK	B N 1 RA 7 7356
LUCIS OJARS JANIS 76 MONIQUE ST VILLE DE BROSSARD QUE	PH D 3
LUDANYI FRANK 3549 LORNE AVE MONTREAL QUE	B A 4 VI 9 0224
LUDEMANN JOHN WILLIAM 3965 PLAMONDON AVE MTL R F D 1 ROUTE 100 KATONAH N Y USA	MD CM 4 RE 8 8776
LUE EDWARD P A 43 OXFORD RD STE ANNE DE BELLEVUE QUE	HDICRAFTS 1
LUETKEHOELTER FREDERICK E 6580 CLANRANALD AVE MONTREAL 29 QUE	B SC 2 RE 8 9324

NAME ADDRESS	COURSE & YEAR TEL. NO.
LUFF CHRISTOPHER SIMS 3653 UNIVERSITY ST MTL 1219 MAIN ST LYNNFIELD CENTRE MASS U S A	B SC 3 VI 2 2073
LUI GORDON HOCK CHUNG 1440 CRESCENT ST APT 5 3 VILLAGE TERRACE HAPPY VALLEY HONG KONG	B ENG EL 3
LUKACSY SANDOR MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
LUKE GLORIA ISABEL 3530 DUROCHER ST APT 9 MONTREAL QUE	B A 3 AV 8 4908
LUKE HOWARD JOSEPH 4916 JEAN BRILLANT MONTREAL QUE	B A 3 RE 8 1325
LUKE SUSAN JOSEPHINE ROYAL VICTORIA COLLEGE P O BOX 280 HUDSON QUE	B COM 1
LUKOSEVICIUS PETRAS P 479 BOURBONNAIS ST LA SALLE QUE	PH D 5 DO 6 1210
LUKOW JULIANA C STEWART HALL 795 11TH AVE LACHINE QUE	2 TCHRS 2
LUM HEE JOHN ALLAN 3466 SHUTER ST APT 202 MAIN ROAD CHAGUANAS TRINIDAD T W I	B SC 2 AV 8 6961
LUM KAM MANKONG GEORGE 3592 DUROCHER ST MTL FYZABAD TRINIDAD THE WEST INDIES	D D S 2 VI 4 0359
LUMMIS LANCE JOSEPH W 2410 LOCKHART AVE MONTREAL 16 QUE	B SC 2 RE 7 8569
LUNN WILLIAM HENRY W 4140 COTE ST CATHERINE APT 5 MONTREAL QUE	PH D 1 RE 7 9782
LUOMALA PENTTI O 1528 ST ANTOINE ST MONTREAL QUE	B ENG 2 WE 3 8159
LUPU ALEXANDER JON 6010 DECELLES AVE APT 9 MONTREAL QUE	B ENG 2 RE 3 0833
LUPU GERALD HARVEY 4710 KENT AVE MONTREAL 29 QUE	MD CM 4 RE 8 2131
LUSBY GERALDINE ELIZABETH ROYAL VICTORIA COLLEGE 56 BROOKFIELD RD OAKVILLE ONT	PHYSIOTH 5 VI 2 0526
LUSSIER REAL 7737 EDOUARD VILLE LASALLE QUE	B ENG 1 PO 6 9556
LUSTGARTEN JACK ABRAHAM 3509 HUTCHISON ST APT 43 MONTREAL QUE	MD CM 2 VI 4 8297
LUTCHMANSINGH KELVIN A 3508 DUROCHER ST MTL 5 HARRIS ST SAN FERNANDO TRINIDAD T W I	B A 2 VI 9 4352
LUTTERMAN HARRIET SORYL 4405 ROYAL AVE MONTREAL QUE	PHYSIOTH 3 HU 1 7849
LUTTMAN RACHEL MARY ROYAL VICTORIA COLLEGE 535 KENWOOD AVE OTTAWA 3 ONT	B SC 3 VI 2 0334

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LUXENBERG PAULA FREIMAN ROYAL VICTORIA COLLEGE 72 OLD FOREST HILL RD TORONTO ONT	B A 3 VI 9 0858
LYLE SEAFORTH M 363 WALNUT AVE ST LAMBERT QUE	M ENG 1 OR 1 6763
LYMAN WENDY JO ANNE 4801 DRAPER AVE MONTREAL QUE	B A 1 HU 1 4334
LYN RAMON MALCOLM 3681 PARK AVE MTL P O BOX 74 MANDEVILLE JAMAICA B W I	MD CM 4 VI 5 3081
LYNCH JOHN 4600 ROYAL AVE MONTREAL QUE	MED DIPL 2 HU 8 7761
LYNCH JOHN FRANCIS X 3466 MCTAVISH ST MTL 4820 OVERBROOK PL DOUGLASTON LONG ISLAND NEW YORK U S A	MD CM 3 AV 8 9533
LYNCH WILLIAM WARREN 3434 MCTAVISH ST MTL 203 BANK ST SHERBROOKE QUE	B C L 3 VI 2 4492
LYNE DANIEL COLMAN 425 MOUNT ROYAL W MTL CASTLE HOUSE BEREHAVEN CO CORK IRELAND	M A 1 CR 4 7681
LYON JOHN LEONE 5200 CORONATION AVE MONTREAL QUE	B ENG 2 HU 1 2664
LYON WILLIAM HECTOR 3072 VAN HORNE AVE APT 1 MONTREAL QUE	B A 3 RE 3 9656
LYONS LEONARD 103 DE GASCOGNE PREVILLE QUE	B ENG 2 OR 1 2221
LYONS THOMAS CLARENCE 765 RICHARD AVE VERDUN QUE	B COM 2 PO 6 5374
LYPEN ANDREW 10503 TOLHURST ST AHUNTSIC QUE	B SC 1 DU 7 5365

M

MABIER JEAN 3466 SHUTER ST APT 311 8 RUE BELLEVUE DRUMMONDVILLE QUE	M C L 1
MACARTHUR NEIL RAYMOND 1106 SHERBROOKE ST W MTL BUCKINGHAM QUE	B A 2 AV 8 7057
MACAULAY JOHN P R 2 ELMWOOD AVE SENNEVILLE QUE	H S D DIP
MACAULAY WILLIAM PHILIP 49 MALCOLM CIRCLE DORVAL QUE	MD CM 4 ME 1 0719
MACAULEY IAN HAMISH 3484 DUROCHER ST MTL 815 ELM AVE TEANECK NEW JERSEY U S A	B COM 1 AV 8 9575
MACBAIN SHEILA KEITH ROYAL VICTORIA COLLEGE STAR ROUTE LAUGHLINTOWN PENN U S A	B SC 3 VI 2 0598
MACBEAN DOROTHY I 13 STE GEORGE ST STE ANNE DE BELLEVUE 7013 CHAMPAGNEUR AVE MONTREAL 15 QUE	3 TCHRS
MACCALLUM LESLIE I 136 BALLANTYNE AVE S MONTREAL QUE	B ENG 1 HU 4 1473
MACCARONE UMBERTO A 3422 IBERVILLE ST MONTREAL 24 QUE	B COM 2 LA 6 0219
MACCONNELL HENRY M BOX 82 MACDONALD COLLEGE QUE	M SC 2
MACCRIMMON DUNCAN JAMES 1626 SELKIRK AVE MONTREAL QUE	B SC 4 WE 5 7093
MACCULLOCH RAE SINCLAIR ROYAL VICTORIA COLLEGE BEDFORD N S	B A 3 VI 2 0182
MACDONALD EDWARD ANGUS 6609 COTE ST LUC RD APT 309 MONTREAL QUE	B ENG 2
MACDONALD ELIZABETH SCOTT 697 ABERDEEN AVE WESTMOUNT QUE	B A 3 HU 1 6889
MACDONALD FAYE A MACDONALD COLLEGE 570 NOTRE DAME ST N THETFORD MINES QUE	B ED 1
MACDONALD FRANCIS R 5920 ANDRE ST STE GENEVIEVE DE PIERREFONDS QUE	2 TCHRS
MACDONALD JOHN FERGUS 3429 PEEL ST MTL LOCUST HILL ONT	B COM 1 VI 2 7385
MACDONALD KATHLEEN T 456 PINE AVE APT 34 MONTREAL QUE	M S W 1 AV 8 6948
MACDONALD NEIL R 3484 DUROCHER ST MTL 707 22ND AVE N W CALGARY ALTA	MD CM 4 AV 8 9575
MACDONALD PAUL ALBERT BRITTAIN HALL PANMURE ISLAND P E I	B SC AGR 4
MACDOUGALL ALEXANDER G 3485 MCTAVISH ST MTL 151 PANNETON ST ASBESTOS QUE	M A 1 VI 9 0141
MACDOUGALL ALEXANDER I 1782 DUNKIRK RD MONTREAL 16 QUE	B ENG CIV 4 RE 7 1711
MACDOUGALL IAN 221 RIVERMERE RD ST LAMBERT QUE	B ENG 2 OR 1 8217
MACDOUGALL MARGUERITE E ROYAL VICTORIA COLLEGE 1820 JEAN NICOLET ST THREE RIVERS QUE	B ED 3 VI 2 0477
MACDOUGALL MARIAN EDITH 9095 GOUIN BLVD W SARAGUAY QUE	B COM 2 RI 7 2961
MACDOWELL ANGUS JOHN 354 COTE ST ANTOINE RD WESTMOUNT QUE	B ENG 2 WE 7 2476
MACEACHERN GORDON A 3444 DUROCHER ST MTL HARRABY FARM KLEINBURG ONT	B ENG 2 AV 8 4344
MACEDO LUIS STANLEY MACDONALD COLLEGE BOX 766 AREQUIPA PERU SOUTH AMERICA	B SC AGR 2
MACELUCH WALTER JOHN 7710 MOLSON ST MONTREAL QUE	B ARCH 5 RA 7 7606

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MACEWEN DOUGLAS WILFRED 105 SUNNYSIDE AVE POINTE CLAIRE QUE	B ENG 2
MACEWEN GLENN HILTON 105 SUNNYSIDE AVE POINTE CLAIRE QUE	B ENG 2
MACFARLANE ANN ETHEL MACDONALD COLLEGE 89 MADAWASKA DR OTTAWA ONT	B SC H EC 2
MACFARLANE CAMERON IAN 3851 UNIVERSITY ST MTL BOX 343 BOURLAMAQUE QUE	B ENG 2
MACFARLANE JAMES 3610 MCTAVISH ST APT 23 MONTREAL QUE	MED DIPL 1 AV 8 0820
MACFARLANE ROBERT EUGENE 3851 UNIVERSITY ST MONTREAL QUE	MD CM 2
MACFARLANE ROSS A 3485 MCTAVISH ST MTL 2108 CAROLINE ST E BURLINGTON ONT	PH D 4 VI 4 7681
MACFAWN VERNON G 3485 MCTAVISH ST MTL BOX 573 WOODSTOCK N B	B ARCH 6 VI 9 0141
MACGIBBON ALEXANDER E PRESBYTERIAN COLLEGE BROWNSBURG ARGENTUEIL CO QUE	B ENG 1
MACHAMER JEROME FRANK 1000 MCGRGOR ST APT 100 EAST HOLLEY RD HOLLEY N Y U S A	M SC 1 VI 9 9810
MACHIN PATRICIA MARY A 66 QUEEN S RD VALOIS QUE	B A 4
MACHNIK STANISLAUS S 16 DES PEULIPLIERS ST BRUNO QUE	PARTIAL
MACINTOSH JAMES A 4238 GRAND BLVD MONTREAL 28 QUE	MD CM 1 HU 2 2912
MACINTOSH JOHN D 4238 GRAND BLVD MONTREAL 28 QUE	B ENG CIV 5 HU 9 2912
MACINTOSH MARY CHRISTINE 145 WOLSELEY AVE MONTREAL WEST QUE	B SC 3 HU 1 7939
MACINTYRE MARGOT J MACDONALD COLLEGE 112 JARVIS CORNWALL ONT	B SC H EC 1
MACINTYRE ROBERT JOHN 222 MELVILLE AVE 6 CORONATION AVE CRONULLA N S W AUSTRALIA	PH D 3 WE 2 8076
MACISAAC CYRIL J LACHINE GENERAL HOSPITAL CHERRY VALLEY P E I	MD CM 3
MACIVER PEARL H 3469 PRUD HOMME AVE MONTREAL QUE	2 TCHRS 1 HU 6 3414
MACK GORDON SEAN BRADSHAW 6450 COTE DE LIESSE BLVD DORVAL QUE	B A 2 ME 1 3950
MACK RUTH K MACDONALD COLLEGE BOX 818 LENNOXVILLE QUE	2 TCHRS 1
MACKAY CAROL A 129 STE ANNE ST STE ANNE DE BELLEVUE 4925 HAMPTON AVE MONTREAL QUE	3 TCHRS
MACKAY DIANA M 3045 CEDAR AVE MONTREAL QUE	PARTIAL WE 2 9060
MACKAY DONALD GORDON 42 DUFFERIN RD HAMPSTEAD QUE	B ENG 2 HU 6 3537
MACKAY DOUGLAS GRAHAM 3508 UNIVERSITY ST MTL 67 ST URSULE ST QUEBEC CITY QUE	B D 2
MACKAY JACQUES ROBERT 4521 BARCLAY AVE APT 6 MONTREAL QUE	MED DIPL 4 RE 7 8340
MACKAY MARY JEAN 4115 GRAND BLVD MONTREAL QUE	B ED 3 HU 1 9127
MACKAY PETER ANDREW 3045 CEDAR AVE MONTREAL QUE	B A 4
MACKEAN BOYD EDMUND 4330 SIR GEORGE SIMPSON LACHINE QUE	M SC 2 ME 7 0745
MACKENZIE ALLAN 657 ST JOSEPH ST CHAMBLY BASSIN QUE	B SC 3
MACKENZIE BRENDA E 27 WOLSELEY AVE S MONTREAL WEST QUE	B SC 2 HU 1 2989
MACKENZIE BRIAN WALLACE 426 REVERE AVE TOWN OF MT ROYAL QUE	B ENG MI 3 RE 8 8539
MACKENZIE EVELYN D 169 HIGHFIELD AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 1885
MACKENZIE JAMES ROBERTSON 48 JOYCE ST OUTREMONT QUE	MD CM 4 CR 1 7114
MACKERCHER PETER D MACDONALD COLLEGE COSDEN ONT	B SC AGR 1
MACKIE DANIEL ARTHUR 1191 CRESCENT ST APT 5 MONTREAL QUE	B ENG MCH 4 UN 1 3785
MACKINNON HUGH NEIL 3592 UNIVERSITY ST MONTREAL QUE	B SC 2 VI 2 2435
MACKINNON JOYCE R ROYAL VICTORIA COLLEGE 19 PASSMORE ST CHARLOTTETOWN PRINCE EDWARD ISLAND	PHYSIOTH 2
MACKINNON MARGARET JOAN ROYAL VICTORIA COLLEGE 51 INGLES ST HALIFAX N S	B A 2
MACLACHLAN LYALL D WILLIAMSTOWN ONT	B SC AGR 1
MACLAREN GEORGE ROY 3653 UNIVERSITY ST MTL BOX 149 BUCKINGHAM QUE	B A 2 VI 2 2073
MACLAREN HEATHER BELL ROYAL VICTORIA COLLEGE FERNWOOD FRANKLYN ST HALIFAX NOVA SCOTIA	B A 1
MACLAREN WENDY BELL ROYAL VICTORIA COLLEGE FERNWOOD FRANKLYN ST HALIFAX NOVA SCOTIA	B A 1
MACLEAN ANGUS AUGUSTINE BOX 88 MACDONALD COLL BOX 280 FREDERICTON N B	PH D 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MACLEAN DONALD RODERICK 3478 MCTAVISH ST MTL BOX 134 CHIBOUGAMAU QUE	B ENG MI 5 VI 2 7412
MACLEAN JOHN NIGEL DOUGLAS HALL C O T T INC POINTE A PIERRE TRINIDAD T W I	B SC 1
MACLEAN JUDITH MARIAN ROYAL VICTORIA COLLEGE ELM AVE HUDSON HEIGHTS QUE	B A 2 VI 2 0847
MACLEAN MARGARET E ROYAL VICTORIA COLLEGE BOX 134 CHIBOUGAMAN QUE	B SC 1
MACLEAN WENDELL J BRITTAIN HALL 250 GARDENVILLE AVE LONGUEUIL QUE	2 TCHRS
MACLELLAN ROBERT STANFORD 631 PRINCE ARTHUR ST W APT 4 MTL 132 WINDERMERE AVE TORONTO ONT	D D S 3 VI 9 1566
MACLEOD ALEXANDER D 4711 COTE ST CATHERINE MONTREAL QUE	PARTIAL RE 1 1937
MACLEOD ALISTAIR DONALD 3851 UNIVERSITY ST MTL C O MRS C CAMPBELL 349 NOD HILL RD WILTON CONN U S A	B A 4 AV 8 0707
MACLEOD CULLEN G 174 FILION ST ST ROSE BOX 131 PORT HAWKESBURY N S	PARTIAL
MACLEOD DONALD LEE 8200 24TH AVE VILLE ST MICHEL QUE	B ARCH 5 RA 7 1857
MACLEOD HEATHER MARGARET ROYAL VICTORIA COLLEGE BOX 70 MASSON QUE	B SC 2 VI 2 0495
MACLEOD JOHN 3650 MOUNTAIN ST APT 408 DUNVEGAN CASTLE ISLE OF SKYE SCOTLAND	B COM 4 VI 5 1319
MACLEOD JOHN CLARK BRITTAIN HALL BOX 22 DUNVEGAN ONT	B SC AGR 2
MACLEOD MARILYN GORDON MACLENNAN HALL WHYCOCOMAGH N S	PHYSIOTH 2 VI 9 0580
MACLEOD RUBY J R R 2 RICHMOND QUE	3 TCHRS
MACMICHAEL JUDITH HELEN 455 OAKDALE AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 7184
MACMILLAN ELIZABETH A 135 LAZARD AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 4057
MACMILLAN ROBBIN ELSPETH 779 OSBORNE AVE VERDUN QUE	B A 1 PO 8 7855
MACNAUGHTON DAVID 272 MORRISON AVE TOWN OF MT ROYAL QUE	B SC 4 RE 7 8128
MACNAUGHTON DONALD A BRITTAIN HALL R R 4 HUNTINGDON QUE	B SC AGR 3
MACNEIL DONALD G BRITTAIN HALL MACDONALD COLLEGE LANARK ANTIGONISH N S	B SC AGR 3
MACNEILL ANNABEL DAISY 1524 ST MATTHEW ST MONTREAL QUE	B D 3 WE 3 9220
MACPHAIL VIRGINIA R L ROYAL VICTORIA COLLEGE CORNWALL P E I	PHYSIOTH 2
MACPHEE DONNA J MACDONALD COLLEGE P O BOX 1416 SEPT ILES QUE	3 TCHRS
MACPHERSON ALAN G DEPT OF GEOGRAPHY 3A GLENDEVON RD EDINBURGH SCOTLAND	PH D 2
MACPHERSON ALEXANDER S 3474 COTE DES NEIGES RD MONTREAL QUE	MED DIPL 2 WE 2 8714
MACPHERSON ROWLAND W F BRITTAIN HALL ROCK RIVER ESTATE ROCK RIVER P O JAMAICA B W I	B SC AGR 4
MACRAE COLIN IAN 224 PRINCE ARTHUR ST ST LAMBERT QUE	B A 4 OR 1 8541
MACRAE HERBERT FARQUHAR BOX 53 MACDONALD COLLEGE QUE	PH D 4
MACRAE KEITH 275 32ND AVE LACHINE QUE	B ENG 1 ME 7 0301
MACRAE KENNETH JOHN MACDONALD COLLEGE PLAISTER MINES VICT CO N S	B SC AGR 3
MACTAGGART DONALD JOHN 755 LANSDOWNE AVE MONTREAL 6 QUE	B ENG PHY 3 HU 4 0434
MACTAVISH NEIL BRUCE 74 CHESTERFIELD AVE WESTMOUNT QUE	B SC 4 HU 1 1541
MACZKO JOSEPH FRANK 594 LANSDOWNE AVE MTL 142 MAXWELL ST SARNIA ONT	B COM 3 HU 8 6055
MAERTENS POOLE PATRICIA J NEW RICHMOND BONAVENTURE COUNTY QUE	3 TCHRS
MAGASANIK ERY 4525 ROYAL AVE MONTREAL QUE	B ENG 2 HU 1 6204
MAGDER DAVID MICHAEL 597 LANSDOWNE AVE WESTMOUNT QUE	B SC 2 HU 6 8057
MAGEE MICHAEL 84 EASTON AVE MONTREAL WEST QUE	B ENG 2 HU 4 5016
MAGEE WILLIAM R MACDONALD COLLEGE 5TH ST MORRISBURG ONT	B SC AGR 1
MAGILL FRANK 6750 DE VIMY AVE MONTREAL QUE	MD CM 3 RE 8 8846
MAGISTE ILVE R 2204 WILSON AVE APT 3 MONTREAL QUE	H S D DIP HU 1 8397
MAGNUS MAXWELL RUDYARD 3506 UNIVERSITY ST MTL NEUVILLE ORACABESSA P O JAMAICA B W I	B ENG EL 4 VI 4 0624

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
MAGOR MURRAY CHURCHILL 3473 UNIVERSITY ST MTL 37 SWALLOW AVE STRATHMORE QUE		B D 3
MAGUIRE GERARD HUGH 3410 MONTCLAIR AVE APT 9 MONTREAL QUE	MED DIPL HU 9 3197	4
MAGUIRE JOHN GORDON 19 ROBERT AVE OUTREMONT QUE	MD CM RE 8 0733	4
MAHABIR ENA BARBARA MCLENNAN HALL 8 COBLENTZ GARDENS ST ANNS P O S TRINIDAD B W I	PHYSIOTH VI 9 0044	4
MAHABIR FRANK LIONEL 3440 SHUTER ST MTL 8 COBLENTZ GARDENS ST ANNS PORT OF SPAIN TRINIDAD T W I	B COM AV 8 2395	3
MAHABIR ROY NEVILLE 3440 SHUTER ST APT 44 8 COBLENTZ GARDENS ST ANNS PORT OF SPAIN TRINIDAD T W I	B ARCH AV 8 2395	3
MAHAFFY DAVID FREDERICK 3530 DUROCHER ST APT 14 MONTREAL QUE	B SC	3
MAHER ARTHUR T L 2060 ST LUC ST APT 4 MTL 27 WING KWONG ST 1ST FLOOR KOWLOON HONG KONG	B ENG WE 3 0402	1
MAHMUD KHALIL 709 CHAMPAGNEUR AVE MTL 103 CHILTON ST CAMBRIDGE MASS U S A	M A CR 6 6136	1
MAHONEY FRANCIS XAVIER 475 PINE AVE W MTL 8 SYLVESTER RD BOSTON 22 MASS U S A	D D S VI 4 4270	4
MAHONEY ROBERT J 3535 SHUTER ST MTL 167 BACON ST WATERVILLE N Y U S A	D D S VI 4 0841	1
MAIDANIW PABLO 4982 KING EDWARD AVE MONTREAL QUE	B ENG HU 4 6816	1
MAILLOUX MARCEL BOX 58 MACDONALD COLLEGE QUE	M SC	2
MAIR BARBARA EVE ROYAL VICTORIA COLLEGE BOUGAINVILLE OLD STONY HILL RD CONSTANT SPRING P O JAMAICA T W I	B ED VI 2 0180	3
MAIS MATTHEW E J 5725 IBERVILLE ST MONTREAL 36 QUE	B SC LA 2 5185	1
MAJCHROWICZ EDWARD 3511 SHUTER ST APT 6 MONTREAL QUE	PH D VI 5 7845	3
MAJOR CLAIRE 19 STAYNER APT 6 WESTMOUNT QUE	B N WE 2 7095	1
MAK SHIU HUNG 532 MILTON ST APT 11 MTL 37 WING ON STREET HONG KONG	B SC	3
MAKELA PEKKA OLAVI 2234 SOUVENIR ST MONTREAL QUE	B ENG WE 3 4076	2
MAKINWA STEPHEN A 3552 SHUTER ST MTL 104 OKEDASA ST ONDO NIGERIA W AFRICA	B COM VI 2 0612	2
MAKKAY ZOLTAN 7613 10TH AVE APT 7 VILLE ST MICHEL QUE	MD CM	1
MAKONNEN ADUNYA 521 PRINCE ARTHUR ST W APT 7 MTL KERESSA HARRAR PROV ETHIOPIA	M SC VI 9 0170	1
MALBY FREDERICK CHARLES 4545 TRENHOLME AVE MONTREAL QUE	B SC HU 4 9205	1
MALCOLM ANNE LOUISE 628 GROSVENOR AVE WESTMOUNT QUE	B COM HU 1 4691	1
MALCOVITCH LESLIE OHRYN DOUGLAS HALL 904 SECOND ST WEST KAMSACK SASK	B SC VI 4 0977	2
MALKINSON ABBY N 1745 NORTH AVE OUTREMONT QUE	B A RE 8 3258	2
MALLAMO JOSEPH ROBERT 7566 ST DENIS ST MONTREAL 10 QUE	B ENG CIV CR 6 4563	4
MALLAMO RAYMOND GEORGE 6791 11TH AVE MONTREAL 36 QUE	B ENG COM RA 2 7094	5
MALLET NOAH LAWRENCE 4300 WESTERN AVE APT 205 MONTREAL QUE	B A WE 2 9362	4
MALONE GEORGE EDWARD WILSON HALL 57 KING ST THETFORD MINES QUE	B ENG VI 4 0624	2
MALONEY ALFRED 3668 DUROCHER ST APT 4 238 MONTCALM ST BERTHIERVILLE QUE	B ENG PWR VI 9 0750	5
MALONEY ALLEN JOSEPH 3668 DUROCHER ST APT 4 238 MONTCALM ST BERTHIERVILLE QUE	B SC VI 9 0750	3
MALONEY GERALD FRANK 312 BERGEVIN ST APT 2 VILLE LASALLE QUE	B ENG MCH PO 6 4764	3
MALUS AVRUM Z 5503 TRANS ISLAND MONTREAL QUE	B A RE 3 8063	2
MALUS MICHAEL HAROLD 5119 LACOMBE AVE MONTREAL 29 QUE	B A RE 8 7384	3
MALUS NORMAN LEONARD 5119 LACOMBE AVE MONTREAL 29 QUE	B C L RE 8 7384	2
MALVET HELENE ANNA BROSSEAU STATION QUE	B A OR 6 5631	2
MAMELAK MORTIMER 4568 HUTCHISON ST MONTREAL QUE	B SC CR 6 8810	4
MANDERSON HENRY JOHN B ROYAL VICTORIA HOSPITAL MONTREAL QUE	M SC	1
MANEL MAURICE 4837 ST URBAIN ST MONTREAL QUE	B A VI 9 4914	3
MANGEL ROMAN 5403 JEANNE MANCE ST MONTREAL QUE	B SC CR 6 7506	4
MANIATIS NICK 1441 DRUMMOND ST MTL SPARTA GREECE	B ENG CIV	4
MANKIEWICZ JACQUELINE M 760 WILDER AVE OUTREMONT QUE	B A RE 1 2277	3

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
MANKIEWICZ STANLEY ROYAL VICTORIA HOSPITAL 311 FURBY ST WINNIPEG 1 MANITOBA	MED DIPL 1
MANN ERNEST LEIGH 1000 MCGREGOR ST APT 302 MTL C O L K MANN VECTIS P O WINTERTON NATAL SOUTH AFRICA	PH D 4 VI 9 8844
MANN JENNIFER M ROYAL VICTORIA COLLEGE 980 LOUIS FRECHETTE AVE QUEBEC CITY 6 QUE	PHYSIOTH 2
MANN SANDRA LOUISE C 91 SOMERSET RD BAIE D URFEE QUE	B SC H EC 2
MANN STUART KEITH 14 LAKESIDE AVE POINTE CLAIRE QUE	B SC 1 OX 5 3734
MANNING DOROTHY J STEWART HALL FRANKLIN CENTRE QUE	2 TCHRS
MANSFIELD PAUL ARTHUR 3600 UNIVERSITY ST MTL 1783 RIVERSIDE DR EAST WINDSOR ONT	M S W 2
MANSFIELD WILLIAM NELS 890 KENILWORTH RD MONTREAL 16 QUE	M SC 2 RE 7 6443
MANSOUR ROBERT JOHN 1625 LAIRD BLVD TOWN OF MT ROYAL QUE	B COM 3 RE 3 3476
MANSOUR VIRGINIA MARY 1625 LAIRD BLVD TOWN OF MT ROYAL QUE	B A 4 RE 3 3476
MANY JACQUES 5576 PHILLIPS MONTREAL QUE	B ENG 1 RE 8 1367
MARAVEI A DANIEL 4289 HENRI JULIEN AVE MONTREAL 18 QUE	B ENG EL 4 AV 8 3824
MARAVEI ANGELO 4289 HENRI JULIEN AVE MONTREAL 18 QUE	B ENG 2 AV 8 3824
MARCH ANN M HUDSON HEIGHTS QUE	H S D DIP
MARCHAND JOSEPH G M 5252 WALKLEY AVE APT 1 MONTREAL QUE	B ENG 2 HU 1 6758
MARCHANT CAROL LYNN 4432 MADISON AVE MONTREAL 28 QUE	B SC 1 HU 4 4538
MARCHILDON E KEITH 940 THOMAS CHAPAIS ST MARTIN QUE	PH D 1
MARCINKOWSKA ELIZABETH M 4131 COTE DES NEIGES APT 8 MONTREAL QUE	B SC 1 WE 7 3602
MARCOTTE JACQUES GUY 5080 PIE IX BLVD MTL 410 NOTRE DAME ST N THETFORD MINES QUE	B COM 4 RA 8 6048
MARCOVITCH ARTHUR J 5211 ROSEDALE AVE MONTREAL QUE	B C L 1 HU 9 3168
MARCOVITCH STEPHEN I 5087 VAN HORNE AVE MONTREAL 29 QUE	B A 3 RE 8 7113
MARCUS ANTHONY MARTIN 4740 FULTON AVE MONTREAL 10 QUE	MED DIPL 2 RE 8 0707
MARETT DAVID C MTL DIOCESAN THEO COLL 49 CARPASIAN RD ST JOHN S N F L D	B ENG 1
MARGARITIS ARGYRIOS 3552 HUTCHISON ST MONTREAL QUE	B ENG 1
MARGETTS BARRY DESMOND W 649 GROSVENOR AVE WSTMT RED LION HARTSPRING LANE ALDENHAM NR WATFORD HERTS ENGLAND	B ENG MCH 3
MARGLES SIDNEY MYER 3784 KENT AVE MONTREAL QUE	B COM 1 RE 7 6365
MARGOLESE BARRY JACK 5568 BORDEN AVE COTE ST LUC QUE	B ENG 2 HU 4 9307
MARGOLESE IRWIN 635 OUTREMONT AVE MONTREAL QUE	D D S 2 CR 7 6646
MARGOLESE MELVYN D 869 DOLLARD AVE OUTREMONT QUE	B ARCH 1
MARGOLESE RICHARD GORDON 4140 COTE ST CATHERINE APT 16 MONTREAL QUE	MD CM 3 RE 8 1554
MARGOLIAN HART 1441 CRESCENT AVE APT 11 MTL 270 GEORGE ST FREDERICTON N B	B C L 1 VI 4 3655
MARGULIS BARRY 249 SHERATON DR MONTREAL WEST QUE	B A 2 HU 9 7159
MARINEAU LUCIEN 2066 MANSFIELD ST MTL 2182 GEORGE ST SHAWINIGAN FALLS QUE	B ENG MCH 4
MARION ANDRE 471 BERKLEY AVE ST LAMBERT QUE	B C L 1 OR 1 9149
MARK TOMMY SHEW KUEY 3590 CLARK ST MONTREAL QUE	B SC 3 VI 9 7160
MARKAM SUSAN 43 PERRAULT ST STE ANNE DE BELLEVUE 174 DUFFERIN RD MONTREAL QUE	2 TCHRS
MARKES PATRICIA ELAINE 484 PRINCE ARTHUR ST W APT 8 MTL 8 ST JOSEPHS AVE KINGSTON 3 JAMAICA W I	B A 4
MARKEY JOHN FREDERICK 235 PORTLAND AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 1496
MARKO ANNE MARIE 3492 PRUDHOMME AVE MTL 2227 RAE ST REGINA SASK	M A 2 HU 9 2006
MARKOWITZ NORMA 3106 BRIGHTON AVE MONTREAL QUE	B COM 1 RE 7 7500
MARKS CHARLES FRANCIS MACDONALD COLLEGE CODROY NFLD	B SC AGR 4
MARKS MELVIN ISAAC 5530 CLANRANALD AVE MONTREAL 29 QUE	B SC 2 RE 7 4533
MARLEY EUGENE IGNATIUS 3484 PEEL ST MTL BOX 133 R R 5 OTTAWA ONT	B SC 4 VI 4 5922
MARON ROBERT I 200 KENSINGTON AVE APT 1000 WESTMOUNT QUE	B ARCH 1 WE 3 0926

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MAROSH ROSLYN 5674 MONKLAND AVE MONTREAL QUE	B A 1 HU 6 3060
MAROVITCH SYDNEY MACDONALD COLLEGE 5275 ROSEDALE AVE MONTREAL QUE	P E DIP 1
MARPOLE DEREK GIFFORD F 3478 MCTAVISH ST MTL WYNDWARD COMO QUE	B A 2 VI 2 7412
MARQUIS ROLAND PIERRE 2064 BOURBONNIERE AVE SILLERY QUE	B ARCH 2
MARR ALLAN ROBERT 3506 UNIVERSITY ST MTL P O BOX 503 ST JOHN N B	B ENG 2 VI 4 0624
MARS HAROLD 5022 COTE DES NEIGES RD APT 2 MONTREAL QUE	MD CM 3 RE 8 4970
MARS PATRICK JAMES 3482 MCTAVISH ST MTL CAPSWOOD CHARTRIDGE LANE CHESHAM BUCKS U K	B COM 1 VI 4 1273
MARSDEN DONALD ARTHUR 3215 VAN HORNE AVE APT 1 MONTREAL QUE	M SC 1 RE 7 8378
MARSH DAVID CAMPBELL MACDONALD COLLEGE 57 LASCELLES BLVD TORONTO 7 ONT	B SC AGR 3
MARSH MELANIE C BOX 950 MACDONALD COLL KNOWLTON QUE	P E DIP 2
MARSHALL ARTHUR RICHARD 5995 TERREBONNE AVE MONTREAL QUE	M A 1
MARSHALL DAWN ELIZABETH 4396 MAYFAIR AVE MONTREAL QUE	B ED 3 HU 4 7940
MARSHALL HARVEY PAT 475 PINE AVE WEST MTL 3051 RETALLACK ST REGINA SASK	B SC 2 VI 4 4270
MARSHALL JOHN R 3643 UNIVERSITY ST APT 3 MONTREAL QUE	B ENG COM 5 VI 4 8507
MARSHALL JOYCE ANNIE 7400 CHURCHILL RD MONTREAL 16 QUE	PARTIAL RE 7 3420
MARSHALL LIANA MARIETTA 22 COOLBREEZE AVE LAKESIDE QUE	B SC 2
MARSHALL MICHAEL KING 4396 MAYFAIR AVE MONTREAL 28 QUE	B ENG 2 HU 4 7940
MARSHALL PETER J MTL THEOLOGICAL COLLEGE ST STEPHENS RECTORY 99 BELLEVUE AVE TORONTO 2 ONT	B SC 2
MARSHALL VALIN GEORGE K BRITTAIN HALL SANTEURS ST PATRICK S GREVADA T W I	B SC AGR 4
MARSTON GLORIA CLAIRE 3615 OXENDEN AVE APT 2 CAVE VALLEY JAMAICA T W I	PARTIAL VI 9 1940
MARTEL LINDA STEWART HALL CHUTE PANET PORTNEUF COUNTY QUE	3 TCHRS
MARTEL RENE ROBERT 5965 36TH AVE MONTREAL 36 QUE	PH D 2 CL 5 1682
MARTENS ANTHONY FRASER 3605 UNIVERSITY ST MTL GAZLE SLOPE PILTDOWN SUSSEX ENGLAND	B ENG 2 AV 8 0643
MARTIN ALLAN JOSEPH 4031 MELROSE AVE MTL 289 GLOUCESTER ST OTTAWA ONT	M S W 2 HU 6 4691
MARTIN DAVID EDWIN 3434 MCTAVISH ST MTL BABCOCK RD ROCKPORT MASS U S A	B COM 2 VI 2 4492
MARTIN DONALD L MACDONALD COLLEGE RIVER HEBERT CUMB CO N S	B SC AGR 3
MARTIN GARTH E 3693 JEANNE MANCE MTL PORT MARIA JAMAICA B W I	B SC 2 VI 5 7711
MARTIN HENRY ARNE 3508 DUROCHER ST MTL 58 HILLHURST BLVD TORONTO 12 ONT	B ENG 2 VI 9 4352
MARTIN JOHN K 3605 RIDGEWOOD AVE APT 401 MTL 504 MCGILVRA BLVD SEATTLE 2 WASH U S A	MD CM 3 RE 8 7633
MARTIN JOSEPH RENE GILLES 30 CHURCH AVE STRATHMORE QUE	B COM 2
MARTIN KONRAD JOSEF 2156 SHERBROOKE ST W APT 10 MTL FULDA GERMANY	PH D 2 WE 7 1671
MARTIN LOREEN A 35 CHRISTIE STE ANNE DE BELLEVUE QUE 1833 21TH AVE N W STE 6 CALGARY ALTA	HDICRAFTS 1
MARTIN LUCRETIA E WILDWOOD VAUDREUIL QUE	B ED 2
MARTIN ROBERT J P MACDONALD COLLEGE BLEGARD VALLEY SUDBURY ONT	B SC AGR 1
MARTIN YVES 300 SHERBROOKE ST W MTL 1707 LAJOIE TROIS RIVIERES QUE	B ENG CH 3 VI 2 0590
MARTINEAU JEAN C 3532 LORNE AVE MTL MONTCERF QUE	B ARCH 6 AV 8 6016
MARTINEAU MARIE A 3510 LORNE AVE MTL LEGAL ALTA	B N 1 AV 8 2539
MARTINO RUDY R R 3734 JEANNE MANCE ST MTL 55 PELLETIER ST ROUYN QUE	B ENG EL 4
MARTINOW VICTOR MICHAEL 1411 PLESSIS ST MONTREAL QUE	B SC 2 LA 2 0121
MARTINS ALBERT BANKOLE 2030 MCGILL COLLEGE AVE 9 AJELE ST LAGOS NIGERIA W AFRICA	B ENG CIV 3 VI 2 0532
MARTON JULIUS C O S J KENNETT 190 BREEZEHILL AVE OTTAWA ONT	B ENG 2
MARTTILA WALTER RAYMOND 30 51ST, AVE MTL 1316 MCFARLANE LK RD SUDBURY ONT	M A 2 ME 7 1827

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
MARVIN LINDA L 232 STONEHENGE DR BEACONSFIELD QUE	B SC H EC 1
MARVIN MAVIS 3530 DUROCHER ST APT 11 MONTREAL QUE	PARTIAL VI 4 7041
MARWICK JOHN STUART 3633 OXENDON ST MTL 380 RIVER RD ST LAMBERT QUE	B A 1 AV 8 6896
MARYNIAK OLEH MYCHAIL B 7117 13TH AVE VILLE ST MICHEL QUE	B SC 3 RA 1 5605
MASELLA ANTONIO 7697 SHAUGHNESSY BLVD VILLE ST MICHEL QUE	B SC 1 RA 7 9818
MASLIN KATHLEEN LINDA STEWART HALL 640 GRACE ST LACHUTE QUE	B SC H EC 1
MASLIN LAURA ST MARY S HOSPITAL MTL 47 LR BEECHWOOD AVE RANELAGH DUBLIN EIRE	MED DIPL 1
MASLOWSKI WALTER 7458 BIRNAM AVE MONTREAL QUE	B ENG MCH 5 CR 1 7482
MASON JUDITH HELEN 225 WOLSELEY AVE MONTREAL WEST QUE	B SC 4 HU 1 8207
MASON WESLEY G 344 CHESTER AVE TOWN OF MT ROYAL QUE	PARTIAL RE 8 6128
MASS ISRAEL 3483 PEEL ST MTL 949 SIR ADOLPHE ROUTHIER QUEBEC CITY 6 QUE	B A 3 VI 2 0882
MASSE PAUL J M 2925 GOUIN BLVD EAST MONTREAL 12 QUE	B C L 1 DU 8 7174
MASSEY DONALD GEORGE 1441 DRUMMOND ST MTL 157 MILL ST S BRAMPTON ONT	B SC 1
MASSIAH HUBERT ARDEN C 3473 UNIVERSITY ST MTL BOX 189 R C A F ST HUBERT QUE	B D 3
MASSIAH WENDY ANNE ROYAL VICTORIA COLLEGE TAITTS ST JAMES BARBADOS B W I	PHYSIOTH 5
MASSON DAVID R 3792 ROYAL AVE MTL 1056 CORYDON AVE WINNIPEG MAN	M SC 1 HU 4 6374
MASTER ELI 4044 MACKENZIE AVE MONTREAL QUE	B ENG 2 RE 8 2623
MASTERS NORMA 1095 DEGUIRE ST VILLE ST LAURENT QUE	B SC 2 RI 7 8782
MASTRIANNI XAVIOR L 3510 LORNE AVE APT 3 MTL 131 NORTH 2ND AVE MECHANICVILLE N Y USA	MD CM 4 VI 4 8967
MASTROCOLA JOSEPH 7492 DE LAROCHE MONTREAL QUE	B ENG EL 3 CR 2 9044
MATHER DAVID STEAD 364 LANSDOWNE AVE WESTMOUNT QUE	B SC 4 WE 2 1522
MATHER MICHAEL STEWART 3550 RIDGEWOOD AVE APT 25 MONTREAL QUE	B C L 3 RE 7 2314
MATHESON DAVID M 607 LANSDOWNE AVE WESTMOUNT QUE	B D 1 HU 8 4644
MATHESON DIANE BRADLEY 4570 GRAND BLVD APT 15 MONTREAL QUE	B ED 4 HU 1 [illegible]
MATHEWSON DONALD GEORGE 12 KILLARNEY POINTE CLAIRE QUE	B ENG CIV 5
MATHEWSON JOHN L 11 BOWLING GREEN PTE CLAIRE QUE	B ENG 1 OX 5 2863
MATHISON WILLIAM 795 45TH AVE LACHINE QUE	M ENG 2 ME 7 0439
MATOSSIAN NICOLAS 3500 MOUNTAIN ST MONTREAL QUE	B A 2 VI 2 4019
MATSON KENNETH MORLAND 642 MURRAY HILL WESTMOUNT QUE	B ENG MCH 4
MATSUBUCHI EDWARD T 454 HUDSON AVE MONTREAL WEST QUE	B ENG CIV 4
MATTE FREDERICK A 3581 UNIVERSITY ST MTL 24 COBALT ST COPPER CLIFF ONT	B ENG 2 VI 9 1368
MATTE GEORGE G B DOUGLAS HALL 71 ON THE BANK LA TUQUE QUE	B ENG 1
MATTHEWS DEBORAH MARY STEWART HALL 261 WELLINGTON CRES WINNIPEG MAN	B SC H EC 3
MATTHEWS JUDITH SYLVIA 86 COTE ST CATHERINE RD MONTREAL QUE	B A 1 CR 6 3436
MATTOX WILLIAM G 1823 OLD ORCHARD RD ABINGTON PENN U S A	M A 1
MATULA ISTVAN TIBOR 6875 LASALLE BLVD VERDUN QUE	B SC 3
MAUER SHELDON MICHAEL 4645 PLAMONDON AVE APT 22 MONTREAL QUE	B A 1 RE 3 2044
MAUGER YVAN 25 BELLINGHAM MTL 150 MAIN GRANBY QUE	B COM 3
MAUGHAN MARILYN MURIEL 619 SYDENHAM AVE WESTMOUNT QUE	B A 1 HU 1 1341
MAUJIRAM 3545 HUTCHISON ST APT 3 MONTREAL QUE	PH D 2 VI 9 4375
MAULE DENISE STEWART HALL 170 LAFONTAINE ST BELOEIL STATION QUE	2 TCHRS 1
MAULE JOHN D 346 SIMPSON AVE APT 204 170 LAFONTAINE ST BELOEIL QUE	D D S 1 WE 2 5064
MAURICE WILLIAM L 4865 QUEEN MARY RD APT 8 MONTREAL QUE	B A 3 RE 7 6646
MAVROYANNIS CONSTANTINE 3524 SHUTER ST MTL TAFOI ST KIFISSION ATHENS GREECE	M SC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MAW ALLAN WILFRED 6630 WESTBURY AVE MTL BOX 105, BOLTON ONT	B ENG EL 3 RE 3 7607
MAW JOAN E MCLENNAN HALL 162 HYDE PARK AVE HAMILTON ONT	PHYSIOTH 2
MAXWELL ANTHONY S 430 WOOD AVE WESTMOUNT QUE	B ENG 2 WE 5 2071
MAXWELL BARBARA A MACDONALD COLLEGE 7630 24TH AVE VILLE ST MICHEL QUE	P E DIP 1
MAXWELL ROBERT D 1441 DRUMMOND ST MTL 180 YAMASKA ST FARNHAM QUE	B ENG 1
MAXWELL WILLIAM KEITH 3491 STANLEY ST APT 2 C O W V HOOKER RIVERSIDE DRIVE PICKERING ONT	MD CM 3 AV 8 7834
MAY GEORGE HAMILTON 104 ARLINGTON AVE WESTMOUNT QUE	B ENG CIV 5 WE 5 7686
MAY JENNIFER WENDY 515 ROSLYN AVE WSTMT 207 RADIN RD ARVIDA QUE	B A 2 WE 7 4318
MAY MORTIMER 3854 NORTHCLIFF AVE APT 1 MONTREAL QUE	PH D 2 HU 8 0105
MAY NORMAN M 5790 HUTCHISON ST OUTREMONT QUE	B C L 1 CR 4 4146
MAYER THEODORE 4524 MADISON AVE MONTREAL 28 QUE	H S D DIP HU 6 7881
MAYEROVITCH DAVID 4840 WESTMOUNT AVE WESTMOUNT QUE	B SC 2 HU 6 6560
MAYERS JOHN M STONARA CLAPHAK ST MICHAEL BARBADOS	B SC AGR 3
MAYNARD JAMES EDWIN 3851 UNIVERSITY ST MTL 10730 WENTWORTH AVE CHICAGO 28 ILL U S A	MD CM 4 VI 4 0977
MAYNE DESMOND P 5150 WESTHILL AVE APT 12 720 BERKLEY ST SOUTH BURNABY B C	D D S 4 HU 1 6336
MAZAK EDWARD 7576 STUART AVE MTL 2048 YPRES AVE WINDSOR ONT	D D S 2 CR 4 9997
MAZLIACH EUGENE 3345 ELLENDALE AVE MONTREAL QUE	B COM 3 RE 3 7797
MAZUREK EDWARD 8175 BIRNAM ST MONTREAL QUE	B ENG 2 CR 2 4901
MAZUTIS JURIS 2057 MAPLEWOOD AVE APT 7 MONTREAL QUE	B ENG EL 3 RE 3 5511
MCADAM JOSEPH BARRY 424 SHERBROOKE ST WEST APT 37 MTL 3 REGENT ST ROCHESTER 7 N Y U S A	B .NG PHY 4 AV 8 7563
MCADAM WILFRID BRIAN 82 PERCIVAL AVE MONTREAL WEST QUE	B ENG MCH 3 HU 4 4019
MCAREE CHRISTOPHER P 3546 LORNE AVE MONTREAL QUE	MED DIPL 1
MCARTHUR CAMERON HUGH 3514 PARK AVE RM 4 MTL 136 THIRD ST NORANDA QUE	B A 3 VI 2 0855
MCARTHUR GEORGE DOUGALD 136 3RD ST NORANDA QUE	MD CM 2
MCARTHUR JULIET E M 466 KENWOOD AVE OTTAWA ONT	B SC H EC 1
MCARTHUR PAULINE GERTRUDE STEWART HALL 172 RAGLAN ST S RENFREW ONT	B SC H EC 3
MCBRIDE JAMES H T 4654 VICTORIA AVE MONTREAL QUE	B ENG 1 HU 6 4631
MCBRIDE JOHN HAROLD 7555 BERRI ST MONTREAL 10 QUE	B SC 4 CR 7 6942
MCBRIDE MOLLIE ELIZABETH 3573 LORNE AVE APT 7 MTL WATERVILLE KINGS CO NOVA SCOTIA	PH D 3 VI 5 9302
MCCALLUM WILLIAM C 1118 ELGIN TERRACE MONTREAL 2 QUE	B C L 2 VI 5 7573
MCCARTHY JOHN JOSEPH 3612 OXENDEN AVE MTL 2097 RIVERSIDE DR LAKEWOOD OHIO U S A	M A 1
MCCARTHY JOSEPH W 3473 UNIVERSITY ST MTL 10784 PIGEON AVE MONTREAL NORTH QUE	PARTIAL
MCCLATCHIE JEAN M R R 4 HUNTINGDON QUE	2 TCHRS 1
MCCLEAN JANETTE SCOTT B 4251 OXFORD AVE MONTREAL QUE	MD CM 3 HU 6 0591
MCCLEARY KEITH FREDERICK MACDONALD COLLEGE SHAWVILLE QUE	B SC AGR 4
MCCLELLAND JOAN G MACDONALD COLLEGE CANTLEY QUE	2 TCHRS 1
MCCLOSKEY BRIAN PATRICK 3508 DUROCHER ST MTL 14 FAIRBAIRN AVE OTTAWA ONT	B ARCH 3
MCCLURE PATRICIA ANN 451 GROSVENOR AVE WESTMOUNT QUE	B A 1 WE 7 1390
MCCOMB ROBERT M 379 43RD AVE LACHINE QUE	B ENG 2 ME 7 0886
MCCONNIE GEMMA PATRICIA MACDONALD COLLEGE SIXTH ST LAVENTILLE TRINIDAD T W I	B SC H EC 2
MCCORMACK JOHN MICHAEL 300 SHERBROOKE ST W MTL 10 CELANESE SQ DRUMMONDVILLE QUE	B ENG CH 5 VI 2 0590
MCCORMICK ANDREW QUINN 500 PINE AVE W MTL 1813 MARSHALL ST KELOWNA B C	MD CM 3
MCCORMICK MYRA J C 3472 SHUTER ST APT 3 MTL 152 MT PLEASANT RD BRANTFORD ONT	MD CM 1 VI 2 3049

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCCOWEN MICHAEL OLIVER 5600 QUEEN MARY RD MTL 11 ROSEMARY LANE TORONTO 10 ONT	B COM 1 HU 4 9357
MCCRACKEN JAMES EDWARD F 4128 HARVARD AVE MONTREAL QUE	B A 2 HU 4 2920
MCCRACKEN JEAN E MACDONALD COLLEGE R R 1 ATHELSTAN QUE	3 TCHRS
MCCREA F ELIZABETH STEWART HALL NORTH HATLEY QUE	2 TCHRS
MCCREE WILLIAM 3650 OXENDEN AVE APT 5 MONTREAL QUE	B ENG 2 VI 4 5536
MCCRORIE JAMES NAPIER 5264 MUSSET AVE MONTREAL QUE	M A 1 HU 4 1034
MCCRORY THOMAS PATRICK 231 KENSINGTON AVE WESTMOUNT QUE	D D S 4 WE 3 1554
MCCUAIG MARION RUTH 4580 BEACONSFIELD AVE MONTREAL 28 QUE	B A 2 HU 1 6084
MCCULLAGH PAULINE 3562 UNIVERSITY ST MONTREAL 2 QUE	B A 3 VI 5 9876
MCCULLOCH JUDITH A ROYAL VICTORIA COLLEGE 85 ALEXANDER ST NEW GLASGOW NOVA SCOTIA	PHYSIOTH 2
MCCULLOUGH EDWARD EASTMAN 21 ST CHARLES AVE DORVAL QUE	PH D 2 ME 1 8130
MCCULLY KEITH ALLEN BOX 49 MACDONALD COLLEGE QUE	PH D 2
MCCUTCHEON DAVID CAMERON 1670 CHURCH ST VILLE ST LAURENT QUE	B ENG MCH 3
MCCUTCHEON EDNA ELIZABETH STEWART HALL SPRINGFIELD R R 1 KINGS CO N B	B SC H EC 3
MCDIARMID DONALD PETER 193 WATERLOO ST WINNIPEG 9 MAN	B ENG CH 3
MCDONALD GLENNA C 16 CEDAR AVE PTE CLAIRE QUE	2 TCHRS 2
MCDONALD JOHN ANTHONY 7571 SECOND AVE VILLE ST MICHEL 40 BEECHWOOD AVE WILLOWDALE P O ONT	B SC 1 RA 1 9095
MCDONALD MARION V MACDONALD COLLEGE NORTH HATLEY QUE	2 TCHRS
MCDONALD PAUL C 4389 MAYFAIR AVE MONTREAL QUE	B SC 3 HU 4 0691
MCDONALD ROBERT WILLIAM 3244 GOYER ST APT 16 501 RICHMOND ST E OSHAWA ONT	B COM 4 RE 1 4854
MCDONNELL FRANCIS TERENCE 360 WOOD AVE WSTMT APT 79 N E M HOUSE 8TH AVE BULAWAYO S RHODESIA	B ENG PHY 3 WE 2 3014
MCDOUGALL ALLAN KERR 617 ROSLYN AVE WESTMOUNT QUE	B SC 1 HU 4 7466
MCDOUGALL JOHN L 1280 LAIRD BLVDAPT 14 209 EUSTON ST CHARLOTTETOWN P E I	B ENG CIV 5
MCDOUGALL LINDA M 200 COTE ST ANTOINE RD WESTMOUNT QUE	B A 4 WE 5 2027
MCDOWELL EUNICE A MACDONALD COLLEGE 9 EDWARD ST VALLEYFIELD QUE	3 TCHRS
MCEACHERN GAIL DUVAL 3578 UNIVERSITY ST MONTREAL QUE	B A 3 VI 9 9946
MCEACHERN JOHN DONALD 3578 UNIVERSITY ST MONTREAL QUE	B A 1 VI 9 9946
MCEWEN ANNE E STEWART HALL R R 5 ORMSTOWN QUE	3 TCHRS
MCEWEN JEAN W STEWART HALL ORMSTOWN QUE	3 TCHRS
MCFALL IAN KELLER MACDONALD COLLEGE 4544 OLD ORCHARD AVE MONTREAL QUE	B SC AGR 2
MCFARLAND COLE EDWIN 2048 METCALFE ST MTL 2522 GARLAND WEST SPOKANE WASH U S A	M SC 1 VI 2 0940
MCFARLAND GERALD RAY 428 SHERBROOKE ST W APT 21 MTL 54 MILLWOOD RD TORONTO 7 ONT	B ENG 2 VI 9 4843
MCFARLANE MARGARET A 759 GREENE AVE MONTREAL 30 QUE	3 TCHRS WE 3 5076
MCFEE RICHARD DONALD MYRO 3508 DUROCHER ST MTL 66 WILFRID ST VALLEYFIELD QUE	B ENG 2 VI 9 4352
MCGARRY MICHAEL GRIMBLY 1190 DUNVECAN TOWN OF MT ROYAL QUE	B ENG 2 RE 1 1984
MCGEE GERALD M 11 GIROUARD AVE DORVAL QUE	B ENG 1 ME 1 3696
MCGIBBON BARBARA H 7005 TERREBONNE AVE MONTREAL 28 QUE	B N 1 HU 6 4421
MCGIBBON JOAN MARGARET 3668 DUROCHER ST MTL 2605 8TH ST S W CALGARY ALTA	M S W 2 VI 9 0750
MCGILLIS ELIZABETH ANNE 746 UPPER LANSDOWNE AVE WESTMOUNT QUE	B A 4 HU 4 3600
MCGILLVARY JOSEPH IRVING 5595 BEAUCOURT ST MONTREAL QUE	MED DIPL 3 RE 7 5751
MCGINITY BERNARD BOND 843 MILTON ST MTL 636 20TH AVE SAN FRANCISCO CALIFORNIA U S A	MD CM 2 AV 8 6905
MCGINN JOSEPH L 3 PROSPECT ST WESTMOUNT QUE	PARTIAL WE 7 7591
MCGORAN MARY T 1529 CEDAR AVE MTL BOX 133 MERRITT B C	M SC 1 VI 2 4464

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCGOWAN JAMES A BRITTAIN HALL 1115 LAJOIE AVE APT 10 OUTREMONT QUE	B ED P ED 2
MCGOWAN MURRAY IAN 356 PORTLAND AVE TOWN OF MT ROYAL QUE	B ENG CIV 5 RE 8 1341
MCGREGOR DONALD PETER 1524 PINE AVE W APT 1 MONTREAL 25 QUE	B COM 1 WE 2 4089
MCGRUER FREDERICK K 885 LINDSAY ST VILLE ST LAURENT QUE	B COM 3 RI 7 4420
MCGURK WILLIAM M K PRESBYTERIAN COLLEGE MONTREAL QUE	B C L 2 VI 4 0424
MCHAFFIE LAURA JEAN 10351 CHRISTOPHE COLOMBE MONTREAL QUE	B A 4 DU 8 2611
MCILQUHAM MORVEN CAMERON 4055 GRAND BLVD MONTREAL QUE	MD CM 1 HU 4 6244
MCILREATH FRED J BOX 6 MACDONALD COLLEGE QUE	PH D 4
MCINNIS JAMES DONALD R WILSON HALL 57 STRATH AVE TORONTO 18 ONT	B ENG 2
MCINTOSH BRUCE ANDREW 261 BRITTANY DR APT D OTTAWA 3 ONT	PH D 4
MCINTOSH DOROTHY E 19 SPRINGFIELD AVE WESTMOUNT QUE	M S W 1 WE 7 1826
MCINTYRE ELIZABETH A 5580 BEURLING AVE VERDUN QUE	2 TCHRS 1 PO 7 7236
MCINTYRE JOAN MARIE C 130 HIGHFIELD AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 4944
MCIVER ALAN ROBERT 228 CHAPLEAU ST BOX 308 ROSEMERE QUE	B SC 2
MCIVER JOHN DAVID 25 PACIFIQUE ST STE ANNE DE BELLEVUE QUE	B SC AGR 3
MCKAY ALEXANDER RONALD 9 MORRISON AVE TOWN OF MT ROYAL QUE	M ENG 2 RE 3 6987
MCKAY DONALD HARTFORD 4089 OXFORD AVE MTL 2110 23RD AVE S W CALGARY ALTA	B ENG PHY 3 HU 4 0732
MCKAY ELIZABETH A D ROYAL VICTORIA COLLEGE C O SIR GEORGE GODFREY AND PARTNERS LTD HARWORTH MIDLESEX ENGLAND	B A 1
MCKEE BEVERLEY WILLIAM 3851 UNIVERSITY ST MTL 1530 5TH AVE WEST OWEN SOUND ONT	MD CM 2 VI 5 5089
MCKEE PATRICIA JANE 20 52ND AVE LACHINE QUE	3 TCHRS
MCKEEL NEIL WALLACE 3458 DUROCHER ST APT 6 CAMPBELLFORD ONT	B ENG 1 VI 9 0398
MCKEEN WILLIAM BREADNER 3626 OXENDEN AVE MONTREAL QUE	MD CM 4 VI 9 6706
MCKELL MARGARET A MACDONALD COLLEGE AUBREY QUE	2 TCHRS 1

NAME ADDRESS	COURSE & YEAR TEL. NO.
MCKELLAR JEAN ANNE ROYAL VICTORIA COLLEGE P O BOX 156 DORION QUE	B A 2 VI 2 0477
MCKELLAR KATHERINE E ROYAL VICTORIA COLLEGE P O BOX 156 DORION QUE	B SC 4 VI 2 0526
MCKELVEY GARNETH L STEWART HALL 10023 PARK GEORGE BLVD MONTREAL NORTH QUE	P E DIP 2
MCKELVEY LORNA P MACDONALD COLLEGE 10023 PARK GEORGE BLVD MONTREAL NORTH QUE	B ED 1
MCKEOWN LYDON K 3473 UNIVERSITY ST MTL 2066 CLAREMONT AVE APT 76 MONTREAL QUE	B D 2
MCKERGOW JAMES IAN 230 LOGAN ST ST LAMBERT QUE	B SC 3 OR 1 6404
MCKINNEY PETER W 851 UNIVERSITY ST MTL R F D WEST DANVILLE VERMONT U S A	MD CM 3
MCKINNON DOUGLAS ARCHIE 1065 TRUDEAU ST MTL 820 5TH AVE LOS ANGELES 5 CALIF USA	MD CM 2 RI 4 0835
MCLACHLIN IAN 4864 COTE DES NEIGES RD MONTREAL 26 QUE	B ENG MCH 4 RE 8 6878
MCLAREN WILLIAM ALLEN 125 HICKSON AVE ST LAMBERT QUE	B ENG CIV 4 OR 1 1481
MCLARREN PHILIP HARRIS 4848 WESTMOUNT AVE WESTMOUNT QUE	B COM 4 HU 1 9357
MCLAUGHLIN CHARLES J 6800 21ST AVE APT 1 MONTREAL 36 QUE	B D 1
MCLEAN DANIEL PINGLE 48 BAYVIEW AVE POINTE CLAIRE QUE	B SC 2 OX 5 2796
MCLEAN DAVID FREDERICK J 3478 MCTAVISH ST MTL C B C R LIMON COSTA RICA	B ENG CIV 3 VI 2 7412
MCLEAN DONALD EDWARD 660 MURRAY HILL WESTMOUNT QUE	B A 2 HU 6 6561
MCLEAN PRESTON ARNOLD 1260 DECARIE BLVD APT 11 ELLSWORTH MAINE U S A	MD CM 4 RI 7 8439
MCLEARN ROBERT MICHAEL 133 PERCIVAL AVE MONTREAL WEST QUE	B C L 2 HU 6 9178
MCLELLAN ALLISTER M 4876 COTE DES NEIGES RD APT 6 MTL 235 PELHAMDALE AVE PELHAM N Y USA	MD CM 3 RE 3 6745
MCLENAHAN SARAH 53A MONTEE STE MARIE STE ANNE DE BELLEVUE BOX 95 WINDSOR MILLS QUE	3 TCHRS
MCLEOD JOHN 1850 LINCOLN AVE APT 405 MONTREAL QUE	B ENG MCH 3 WE 3 6473
MCLEOD MALCOLM E W 217 LAZARD AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 5743

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCLEOD ROBERT A L 503 ARGYLE AVE WESTMOUNT QUE	MD CM 1 WE 3 1333
MCLERNON JOHN ROSS 35 ABERDEEN AVE WESTMOUNT QUE	B A 1 WE 5 7895
MCMARTIN WILLIAM PETER 629 VICTORIA AVE WESTMOUNT QUE	B ENG COM 5
MCMASTER MICHAEL ROSS 3141 DAULAC RD MONTREAL QUE	B COM 2 WE 5 3065
MCMICHAEL GERALDINE ANN ROYAL VICTORIA COLLEGE GRENVILLE R R 1 QUE	B SC 2 VI 2 0334
MCMICHAEL JANET G 212 BALLANTYNE AVE N MONTREAL WEST QUE	B A 1 HU 1 3558
MCMORRAN ELIZABETH E STEWART HALL 795 PERE ERNEST CARRIER QUEBEC CITY QUE	B SC H EC 3
MCMULLAN JAMES BRIAN 3506 WEST BROADWAY MONTREAL QUE	B C L 4 HU 6 7902
MCMULLEN DONALD WALTER DOUGLAS HALL 94 S HIGH ST PORT ARTHUR ONT	B ENG MCH 4 VI 4 0977
MCNAB JOHN 3473 UNIVERSITY ST MTL 76 HAGLEY PARK RD HALF WAY TREE JAMAICA B W I	S T M 1 VI 4 0817
MCNABB ALLAN D 3005 BEDFORD RD APT 7 MONTREAL 26 QUE	B ENG PWR 5 RE 8 1792
MCNALLY ANN FRASER 1290 CALEDONIA RD TOWN OF MT ROYAL QUE	B SC 4 RE 7 1786
MCNALLY LAWRENCE BERNARD 3581 UNIVERSITY ST MTL 9 7TH ST NORANDA QUE	B SC 3
MCNAMEE PETER GRAHAM 5374 DRAKE ST MONTREAL QUE	B ENG CIV 4
MCNEILL ALFRED KENNETH LACHINE GEN HOSPITAL MARYLAND QUE	MD CM 3
MCNEILL DUNCAN IVES 4081 HIGHLAND AVE MONTREAL QUE	B A 1
MCOUAT JEAN E MACDONALD COLLEGE 692 MAIN ST LACHUTE QUE	3 TCHRS
MCQUEEN EVELYN JOAN ROYAL VICTORIA COLLEGE 292 HERKIMER ST HAMILTON ONT	B SC 4 VI 2 0477
MCRAE JOAN E 3597 JEANNE MANCE ST APT 3 MTL 88 HILLHURST BLVD TORONTO ONT	B N 1 VI 9 4961
MCRAE LORNA J STEWART HALL 75 34TH AVE LACHINE QUE	2 TCHRS 2
MCROBIE BLAIR ROBERTSON 3228 THE BOULEVARD WESTMOUNT QUE	B A 2 WE 2 0660
MCTAGGART ANDREW N 4680 DUPUIS AVE MONTREAL QUE	MED DIPL 3 RE 3 7646
MCTIERNAN ROBERT APT C 17 MACDONALD COLL 79 GRAND VIEW AVE WORCESTER MASS U S A	D D S 3
MCVEY DONALD JOHN MACIVER 5370 RANDALL AVE APT 15 MONTREAL QUE	B ENG 2 HU 8 8233
MCVICAR ELSIE STEWART HALL RIVINGTON QUE	3 TCHRS
MEADE PAULETTE ELISABETH STEWART HALL LONG ACRES UNIONVILLE ONT	B SC H EC 2
MEADE RONALD MICHAEL GUY 1928 ST LUC ST MTL 19 QUAI JACOUTOT STRASBOURG FRANCE	B A 2
MEADLEY CYRIL KEITH 12391 COUSINEAU ST MTL P O BOX 188 PORT STANLEY ONT	M SC 1 RI 7 4525
MEADLEY RONALD GEORGE 5 KINDERSLEY AVE MTL 1104 RAYMOND CASGRAIN AV QUEBEC CITY QUE	B SC 2 RE 8 3577
MEAKINS JONATHAN L 620 MURRAY HILL WESTMOUNT QUE	B SC 1 HU 1 8837
MEDINA CARLOS ALBERTO 1563 MCGREGOR ST MTL STA ROSA DE COPAN REPUBLICA DE HONDURAS CENTRO AMERICA	B SC 3 VI 5 2342
MEEHAN EDWIN LEEMAN 659 WOODLAND AVE VERDUN QUE	B A 3 PO 7 2296
MEGHIR SAMUEL 3668 DUROCHER ST MTL GREECE	PH D 3 VI 9 0750
MEIGHAN WILLIAM J F 6465 40TH AVE MONTREAL 36 QUE	B ENG 2 CL 6 6722
MEIGHEN MICHAEL ARTHUR 16 BRAESIDE PL WESTMOUNT QUE	B A 3 WE 5 3444
MEIISEL PETER ROYAL VICTORIA HOSPITAL WALSRODE GERMANY	MED DIPL 1
MEIKLE BRIAN KEITH 456 PINE AVE W APT D MONTREAL QUE	PH D 4 AV 8 7976
MELAMED SAUL 796A CHAMPAGNEUR AVE OUTREMONT QUE	B ARCH 1 CR 4 2972
MELANCON FLORIAN 65 SHERBROOKE ST W MTL 397 109TH ST SHAWINIGAN SOUTH QUE	B ENG EL 4 AV 8 2316
MELANSON JOSEPH LEONARD 1595 CARDINAL ST MONTREAL QUE	B C L 2
MELBOURNE GLORIA V 4535 GRANDE BLVD MONTREAL QUE	B SC 1 HU 4 6397
MELHADO OWEN KARL H 3851 UNIVERSITY ST MTL 14 SEYMOUR AVE KINGSTON 10 JAMAICA W I	B COM 4 VI 4 0977
MELL ENDEL 3636 DECARIE BLVD APT 15 22 DURIE ST TORONTO 3 ONT	B ENG PWR 5 HU 9 3506

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MELLEN PETER WILSON 57 STRATFORD RD MONTREAL 29 QUE	B A 2 HU 1 3087
MELTZER BENJAMIN 5830 DECELLES PL APT 16 MONTREAL QUE	B ENG MCH 4 RE 8 2009
MELVILLE DAVID L 4937 CIRCLE RD MONTREAL QUE	B SC 3 HU 6 4200
MELVILLE ENID LORRAINE 4937 CIRCLE RD MONTREAL QUE	MD CM 4 HU 6 4200
MELVILLE STEPHEN DOORLY 3 BRAEMAR AVE KINGSTON 10 JAMAICA B W I F	B ENG EL 3
MELVYN PETER 2029 METCALFE ST MONTREAL 2 QUE	M S W 1 VI 4 8621
MELZACK JULIAN STEVEN 5055 GLENCAIRN AVE MONTREAL 29 QUE	B A 2 HU 6 1883
MENARD KENNETH 258 SHERBROOKE ST W MTL 17 UNION ST HAWKESBURY ONT	B ENG CIV 4 VI 4 7102
MENASHE EDWARD 2064 MANSFIELD ST MTL 4 BAEHLER ST CAIRO EGYPT	B COM 1 VI 9 0558
MENDELL LORNE MICHAEL 635 BELMONT AVE WESTMOUNT QUE	B SC 2 HU 1 7122
MENDELS ROGER PIERRE 5447 LAVOIE ST MONTREAL 26 QUE	M A 1 RE 3 4196
MENDELSOHN BRENDA E 4602 ROYAL AVE MONTREAL QUE	B A 1 HU 4 4213
MENDELSOHN MAXWELL W 10 RENFREW AVE WESTMOUNT QUE	B A 1 HU 4 8130
MENDELSOHN MELVIN 990 PRATT AVE OUTREMONT QUE	MD CM 2 RE 8 1906
MENDELSON JACK 4130 KENT AVE MONTREAL QUE	MD CM 3 RE 7 0382
MENDELSON JOSEPH 617 VICTORIA AVE WESTMOUNT QUE	B SC 2 HU 4 9074
MENDELSON REBEKAH ZIONA 617 VICTORIA AVE WESTMOUNT QUE	B A 2 HU 4 9074
MENDES PETER COLIN 2990 BEDFORD RD MONTREAL QUE	MD CM 4 RE 7 9425
MENUCK MIRIAM 51 PERRAULT ST STE ANNE DE BELLEVUE 2931 SOISSONS AVE MONTREAL QUE	2 TCHRS
MERCHANT DAVID FRANCIS 8305 BAILLARGE ST APT 2 MONTREAL 5 QUE	B SC 2
MERMELSTEIN PAUL 2057 MAPLEWOOD AVE MONTREAL 26 QUE	B ENG PHY 5 RE 3 6642
MERRIAM RICHARD KERR 695 LAURENTIEN BLVD APT 3 VILLE ST LAURENT QUE	MED DIPL 3 RI 8 7663
MERRIFIELD SANDRA G 55 MOUNT PLEASANT AVE VALOIS QUE	B ENG 2
MERRITT GORDON EDWIN 70 CHESTERFIELD AVE WESTMOUNT QUE	B ENG MCH 4 HU 1 2353
MERSEREAU GUYON PAUL M 3545 ST URBAIN ST APT 6 MONTREAL QUE	MD CM 4 AV 8 5459
MESSENGER JOHN A MACDONALD COLLEGE 494 VICTORIA AVE WESTMOUNT QUE	2 TCHRS
MESSENGER ORVILLE JAMES DOUGLAS HALL 3 WILLIAM ST LEWISVILLE N B	B SC 1
MESSER STANLEY BERNARD 4844 FULTON ST MONTREAL QUE	B SC 1 RE 8 4843
MESSIER BERNARD HENRY 2560 BERCY ST APT 1 MONTREAL QUE	PH D 4 LA 3 4923
MESSIER MICHEL B 3435 DRUMMOND PLAZA APT 55 MTL 90 LEFRANCOIS BLVD WOONSOCKET R I U S A	B A 1 VI 5 9624
MESTER SOL 4046 MAPLEWOOD AVE MONTREAL QUE	B ENG 2 RE 8 9917
METHOT BERNARD 654 STUART AVE MTL 533 BONAVENTURE THREE RIVERS QUE	B ENG CIV 5 CR 1 5819
METTARLIN DANIEL N 506 OUTREMONT AVE OUTREMONT QUE	B C L 1 CR 7 6038
MEUNIER JOSEPH JACQUES L 144A 1ST ST IBERVILLE QUE	B ENG 2
MEZES ISTUAN 49 ARLINGTON AVE MONTREAL WEST QUE	B ARCH 5 WE 7 4457
MEZGAILIS KAREN 5205 O BRYAN AVE MONTREAL QUE	B A 1 HU 8 8148
MICAS CRISSIE 680 ABERDARE RD TOWN OF MT ROYAL QUE	B SC 1 RE 7 6758
MICHAEL FREDERICK SEYMOUR 5180 QUEEN MARY RD APT 5 MONTREAL QUE	B A 4 HU 8 3648
MICHAELS EDWARD LIONEL DOUGLAS HALL 89 EAST ARMOUR HEIGHTS CONSTANT SPRING P O JAMAICA B W I	B ENG CIV 4 VI 4 0977
MICHAELS LAWRENCE 3270 GOYER ST MTL 6711 EXETER ST FOREST HILLS 75 NEW YORK U S A	MD CM 4 RE 1 6382
MICHALSKI JOSEPH EUGENE 2617 MONTGOMERY MONTREAL QUE	B ENG EL 3
MICHAUD JOSEPH AVILA A 4637 GARNIER ST MTL NAPIERVILLE QUE	B ENG COM 5 LA 6 0115
MICHAUD PIERRE ROSS 3430 DRUMMOND ST MONTREAL QUE	M C L 1 VI 2 0789
MICHELIN JOHN ERIC 4565 KENSINGTON AVE MONTREAL QUE	B A 4 HU 6 3281
MICHELIN PAUL EDWARD 4565 KENSINGTON AVE MONTREAL QUE	B COM 2 HU 6 3281

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MICK WILLIAM GERALD 481 LAKESHORE RD BEAUREPAIRE QUE	B SC AGR 2
MICKLEA GEORGE DAVID 4800 COTE DES NEIGES RD APT 30 MTL 1238 CHILVER RD WINDSOR ONT	M SC 1 RE 1 1513
MIDDLETON NOREEN C 45 SWALLOW AVE STRATHMORE QUE	B ED 1 ME 1 3864
MIDGLEY ROBERT DOBSON 3445 RIDGEWOOD AVE MONTREAL QUE	MD CM 3 RE 1 1852
MIECHOWSKY GEORGE JERZY 661 QUERBES AVE APT 5 MONTREAL QUE	B ENG 2 CR 6 2230
MIESZKOWSKI PETER MICHAEL 252 REGENT RD ST LAMBERT QUE	M A 2 OR 1 4450
MIHAJLOVITS IVAN 4780 COTE DES NEIGES RD MONTREAL QUE	B ARCH 6 RE 7 1889
MIKELSONS VELTA KAREN T 3768 BOTREL ST MONTREAL QUE	MED DIPL 3 HU 8 3813
MIKKOLA LIA RUTT 5245 COTE ST LUC RD MONTREAL QUE	B A 3 HU 6 6440
MILDON MARIDENE JOY F 349 BALLANTYNE N MONTREAL WEST QUE	B SC 1 HU 6 6329
MILLAR CARLETON 95 EASTON AVE MONTREAL WEST QUE	B ENG CIV 4 HU 4 1309
MILLAR JAN MARGARET 57 CURZON ST MONTREAL WEST QUE	M SC 1 HU 4 3152
MILLAR LOIS A 1592 PINE AVE WEST MTL 40 NIAGARA ST ST CATHARINES ONT	B N 1 WE 3 0779
MILLAR RONALD ALEXANDER 659 GROSVENOR AVE WESTMOUNT QUE	M SC 2 HU 4 6904
MILLARD PETER TUDOR 3445 PEEL ST MONTREAL QUE	B A 4 VI 5 9462
MILLER BARRINGTON E A DOUGLAS HALL 23 GORE TERRACE KINGSTON 10 JAMAICA T W I	B SC 2
MILLER BEVERLEY S 820 42ND AVE LACHINE QUE	3 TCHRS ME 7 1924
MILLER CAMERON DYMENT 195 DEVON AVE TOWN OF MT ROYAL QUE	B A 2 RE 1 6253
MILLER DANIEL S 443 WILLOWDALE AVE MONTREAL QUE	B C L 1 RE 8 8420
MILLER ELEANOR S R R 2 ST EUSTACHE QUE	H S D DIP
MILLER GEORGE WILLIAM 3581 UNIVERSITY ST MTL R R 6 HAGERSVILLE ONT	B SC 2
MILLER GRANVILLE E 3570 DUROCHER ST APT 22 MONTREAL QUE	M A 1 VI 9 4610
MILLER HARRIS G BRITTIAN HALL GASPE WEST GASPE QUE	2 TCHRS 1
MILLER IAN SCOTT 7A THURLOW RD HAMPSTEAD QUE	B COM 3 HU 1 6817
MILLER IRWIN 3050 BRIGHTON AVE MONTREAL QUE	B SC 2 RE 7 8694
MILLER JACK MARTIN 1441 DRUMMOND ST MTL 19 FIFTH ST E CORNWALL ONT	B SC 2
MILLER JACK RALSTON DOUGLAS HALL 768 ST PAUL ST THREE RIVERS QUE	B A 2 VI 5 1889
MILLER JOAN E 162 LAKEVIEW AVE POINTE CLAIRE QUE	2 TCHRS 1
MILLER MALCOLM NEIL 3436 DUROCHER ST MTL GRAFTON R R 2 KINGS CO N S	B SC 1
MILLER MARILYN K STEWART HALL C O Q N S & L RAILWAY SEPT ILES QUE	B ED P ED 2
MILLER NORMAN LOUIS 1978 NORWAY RD TOWN OF MT ROYAL QUE	B ENG 1 RE 7 0522
MILLER NUGENT ARTHUR L 2066 MANSFIELD ST MTL ST ANDREW S CONFERENCE GRENADA T W I	B A 1 VI 2 0853
MILLER ROBERT 536 CLARKE AVE WESTMOUNT QUE	B ENG MCH 3 WE 2 7208
MILLER SEYMOUR S 4507 MELROSE AVE MONTREAL QUE	B ENG 1 HU 6 8345
MILLER STEPHEN 473 DUFFERIN RD MONTREAL QUE	B ENG 1 HU 4 8172
MILLER SUTCLIFFE ANTHONY 3631 LORNE CRES MTL PORT MARIA JAMAICA T W I	B SC 4 VI 2 0690
MILLER WALTER WILLIAM G 1600 ATHLONE RD TOWN OF MT ROYAL QUE	B ENG MCH 4 RE 8 0518
MILLER WILLIAM ALFRED 5539 ROSEDALE AVE MONTREAL 29 QUE	B ENG MET 3 HU 4 5531
MILLEY PAUL S 258 SHERBROOKE ST W RM 6 MTL 3727 CHILI AVE ROCHESTER 24 N Y U S A	MD CM 1 VI 4 7102
MILLIGAN ROBERT FREDERICK 352 OAK AVE ST LAMBERT QUE	B SC 2 OR 1 8278
MILLINER THOMAS HENRY R 215 COLLEGE ST APT 238 TORONTO ONT MERRYWOOD FALMOUTH JAMAICA WEST INDIES	B SC AGR 1
MILLINGTON VIVIAN B MONTCLAIR N J U S A	B SC 3
MILLMAN DAVID GEORGE 3860 LINTON AVE MONTREAL QUE	B SC 4 RE 7 9558
MILLOWITZ STUART 5830 HUDSON RD MONTREAL QUE	B C L 2 RE 8 4225
MILLS AUBREY A 6430 LEON DEROME ST MONTREAL QUE	B ENG MCH 3 CL 6 1036

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MILLS CATHERINE AUDREY 5383 BOURRET AVE MONTREAL QUE	B A 3 RE 8 9079
MILLS FRED CAMERON 3524 DUROCHER ST MONTREAL QUE	MED DIPL 2 VI 5 6327
MILLS MARY ANDREA 4981 MACDONALD AVE MONTREAL QUE	B A 3 HU 6 5843
MILLS TERRY FOSTER J 4519 OLD ORCHARD AVE MONTREAL 29 QUE	B ENG 2 HU 8 0921
MILNE GEORGE A C 3525 TRENHOLME AVE MONTREAL QUE	B SC 2 HU 1 3295
MILNE JOHN KENNETH 15 COUNTRY CLUB DR TORONTO 18 ONT	B SC 1
MILSOM HORACE N 1441 DRUMMOND ST MTL 293 SHEPHERD ST SARNIA ONT	B ENG 1
MINCOFF LIONEL ISRAEL 7625 CHAMPAGNEUR AVE APT 9 MONTREAL QUE	B ENG CIV 5 CR 6 5564
MINGIE PETER GEORGE 3665 RIDGEWOOD AVE APT 304 MONTREAL QUE	MD CM 4 RE 8 7780
MINNS GODFREY NIGEL 300 SHERBROOKE ST W MTL P O BOX 1358 NASSAU BAHAMAS	B ENG 2 VI 2 0590
MINOTT JOHN OLIVER 3484 DUROCHER ST APT 208 MANDEVILLE JAMAICA B W I	B COM 4
MINTZ HARRY MACDONALD COLLEGE 2235 BEAUDET BLVD VILLE ST LAURENT QUE	H S D DIP
MINTZBERG HENRY 46 COURCELETTE AVE OUTREMONT QUE	B ENG MCH 3 CR 2 0496
MIRZA CAMERAN 74 G SUSAN SINGH PARK NEW DELHI 3 INDIA	B SC AGR 4
MISENER DONALD K 53 HAYNES AVE ST CATHARINES ON.	B ENG 1
MISHKIN SEYMOUR 6200 CLANRANALD AVE MONTREAL QUE	B SC 2 RE 3 4504
MITCHELL DONALD R 3581 UNIVERSITY ST MTL 126 BRODIE ST SUDBURY ONT	B ENG 1 VI 9 1368
MITCHELL DONNA ELIZABETH ROYAL VICTORIA COLLEGE 17 DACRE CRES TORONTO 3 ONT	B ED 4
MITCHELL DOUGLAS CAMPBELL 3478 MCTAVISH ST MTL SEACREST WARWICH WEST BERMUDA	B A 2
MITCHELL JANE ELLEN 1597 PINE AVE WEST MTL 3787 COTE DES NEIGES RD APT 105 MONTREAL QUE	B N 1
MITCHELL HARVEY 2575 BARCLAY AVE MONTREAL QUE	B ENG CH 3 RE 3 5409
MITCHELL HEGGS RAYMOND C WILSON HALL 56 GOWER ST LONDON W C 1 ENGLAND	B A 1
MITCHELL JEAN ELIZABETH ROYAL VICTORIA COLLEGE 71 ELGIN ST GRANBY QUE	B SC 1
MITCHELL JOAN EVELYN 3524 DUROCHER ST APT 8 KNOWLTON S LANDING R R 2 MANSONVILLE QUE	M SC 1 VI 4 2455
MITCHELL KENNETH B 3433 HUTCHISON ST MONTREAL 18 QUE	B ENG 1 AV 8 4790
MITCHELL MARGARET ANN ROYAL VICTORIA COLLEGE 58 TEMPLE ST RUTLAND VERMONT U S A	B A 4
MITCHELL MARGARET L STEWART HALL 15 RACINE ST KENOGAMI QUE	2 TCHRS 2
MITCHELL NELSON STEWART 481 PRINCE ARTHUR ST MTL GRANBY QUE	MD CM 4
MITELMAN LESLIE 5745 COOLBROOK AVE MONTREAL QUE	B ENG EL 3 RE 3 8868
MITTELMAN SHEILA L 23 LEGAULT ST STE ANNE DE BELLEVUE QUE 4970 BORDEN AVE MONTREAL QUE	3 TCHRS
MIZGALA HALINA JULIA 4525 BELMORE AVE MONTREAL QUE	M S W 1 HU 4 1705
MIZUNO NORRIS Y 5 LEGAULT STE ANNE DE BELLEVUE QUE SUMMERVILLE ONT	B SC AGR 4
MLYNARYK PETER ROYAL VICTORIA HOSPITAL 4005 ST URBAIN ST MONTREAL 18 QUE	MED DIPL 2
MLYNARYK WALTER 1401 GALT ST COTE ST PAUL QUE	B ENG CH 5 PO 8 9553
MODE DRUMMOND STUART 14 GLENMORE RD HAMPSTEAD QUE	B COM 1 HU 6 5117
MODE MARILYN J 14 GLENMORE RD HAMPSTEAD QUE	PHYSIOTH 1 HU 6 5117
MOFFET ETHEL M MACDONALD COLLEGE 403 GLADSTONE AVE OTTAWA ONT	B SC H EC 4
MOFFET THOMAS H R 75 STRATHCONA DR MONTREAL 16 QUE	B ENG 1 RE 8 5881
MOHAMMED ASHMEAD ALI 3546 LORNE AVE APT 5 MTL 768 FOURTH ST BARATARIA TRINIDAD T W I	B SC 2
MOHAN GORDON SCOTT 3567 SHUTER ST APT 5 MTL 70 RUSHWORTH ST SAN FERNANDO TRINIDAD T W I	B SC 2 VI 4 5401
MOK CHI CHING BOX 123 MACDONALD COLLEGE QUE	M SC 2
MOK KWOK LEUNG RICHARD 3519 LORNE AVE MTL 302 SAI YEUNG CHOI ST 1ST FLOOR KOWLOON HONG KONG	B ENG 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MOLES RONALD ARTHUR 3581 UNIVERSITY ST MTL 749 ONTARIO ST SUDBURY ONT	B COM 4 VI 9 1368
MOLLENTHIEL GUY NORBERT 1547 MACGREGOR ST MTL 97 JOHN BROWN AVE PORT AU PRINCE HAITI	B ENG EL 3 WE 3 0394
MOLSON CYNTHIA BEATRICE 10 RAMEZAY RD MONTREAL 6 QUE	M A 2 WE 5 2600
MOLSON STEPHEN THOMAS 10 RAMEZAY RD WESTMOUNT QUE	B COM 2 WE 5 7612
MOLUAR ERVO 2745 DARLINGTON PL APT 23 MONTREAL QUE	B ENG EL 3 RE 1 4677
MOLYNEUX JUDITH ANNE ROYAL VICTORIA COLLEGE 58 WOLFE ST MANIWAKI QUE	PHYSIOTH 3 VI 2 0180
MONGEAU JOSEPH A R 937 PRATT AVE OUTREMONT QUE	B C L 1 RE 8 2934
MONGEAU JOSEPH EMILE S R 500 LAPOINTE VILLE ST LAURENT QUE	B C L 1 RI 7 7862
MONKEWICH OSTAP 3430 ROSEMOUNT BLVD MONTREAL 36 QUE	B ENG EL 3 RA 8 5121
MONKS FRANKLYN T 8 MERTON CRES HAMPSTEAD QUE	B A 1 HU 1 4700
MONTANDON MARIANNE E STEWART HALL R R 1 BEDFORD QUE	2 TCHRS 2
MONTGOMERY HUGH WILLIAM MACDONALD COLLEGE 668 GROSVENOR AVE WESTMOUNT QUE	PARTIAL
MONTGOMERY ROBERT BRUCE 3445 PEEL ST MTL 126 LORNE AVE LENNOXVILLE QUE	B ENG 2 VI 5 9462
MONTH MELVIN 4870 PLAMONDON AVE APT 2 MONTREAL 26 QUE	PARTIAL RE 1 5289
MONTPETIT JEAN P B 6450 MONKLAND AVE APT 22 29 SOURCES AVE DORVAL QUE	B ENG CIV 5 HU 6 9238
MOO YOUNG ALFRED JOSEPH MACDONALD COLLEGE FROME JAMAICA B W I	B SC AGR 4
MOORE CHARLOTTE E MACDONALD COLLEGE KINNEARS MILLS QUE	3 TCHRS
MOORE DOUGLAS EDWARD 4800 DECARIE BLVD APT 25 MONTREAL QUE	B ENG PHY 3
MOORE JOHN FRANCIS 475 PINE AVE MTL 57 WINDSOR AVE LONDON ONT	B COM 2 VI 4 4270
MOORE MARGARET E 2461 WESTHILL AVE MONTREAL 28 QUE	B A 1 HU 6 4051
MOORE PAMELA C MACDONALD COLLEGE 1256 MAPLE AVE SHAWINIGAN FALLS QUE	P E DIP 2
MOORE RICHARD A BRITTAIN HALL 812 WESTERN AVE WATERLOO QUE	B ED P ED 2
MOORE ROBERT BRUCE 3440 SHUTER ST APT 50 CARIBOU ST WINDSOR NFLD	M SC 2 VI 9 5014
MOORE SANDRA JEAN ROYAL VICTORIA COLLEGE STANSTEAD QUE	B A 2 VI 2 0327
MOORE STANLEY DACOSTA 3155 APPLETON AVE MONTREAL QUE	B A 4 RE 3 9695
MOORE WILLIAM STANHOPE BRITTAIN HALL ALBION P E I	B SC AGR 3
MORA PHILIPPE FRANCOIS Y 23 BARAT RD WESTMOUNT QUE	B ENG EL 3 WE 5 0733
MORAND PETER FRANK 3587 SHUTER ST APT 5 MONTREAL QUE	PH D 3 AV 8 4356
MORANTZ NORMAN CHARLES 6505 LAVOIE APT 3 MONTREAL QUE	B ENG CIV 5 RE 3 9784
MORAZAIN JACQUES JOSEPH J 673 DE L EPEE AVE MONTREAL 8 QUE	B SC 4 CR 7 1894
MORDEN JOHN REID 5180 MARIETTE AVE MONTREAL 29 QUE	B A 1 HU 9 2800
MORDEN KENNETH ROBERT 3581 UNIVERSITY ST MTL 15 GRANITE ST COPPER CLIFF ONT	B ENG 2 VI 9 1368
MORGAN GRAHAM C C 135 FIELDFARE AVE BEAUREPAIRE QUE	B ENG 1 OX 5 6403
MORGAN JAMES E 1563 MCGREGOR ST MONTREAL QUE	M SC 1 WE 3 0837
MORGAN JANET HAMILTON H 9 LAMBTON AVE HOWICK QUE	M A 1
MORGAN MALCOLM BRUCE 5125 BOURRET AVE MONTREAL 29 QUE	B A 2 RE 7 6001
MORICE ROBERTO F 25 VS SUR BOTICA COLON P C SAN JOSE COSTA RICA	AGR DIP 2
MORIGI EUGENE MARIO E 1898 NORTH AVE MONTREAL QUE	PH D 2 RE 1 1287
MORIN ABIGAIL E S 221 OUTREMONT AVE MONTREAL QUE	H S D DIP CR 2 4372
MORIN MARCEL 1455 GALT MONTREAL 20 QUE	B ENG CIV 5 PO 8 8733
MORISSETTE SARTO 2563 ROSEMONT BLVD MTL 332 O MEARA ST THETFORD MINES QUE	B ENG 2 RA 7 5503
MOROZ WALTER J 7526 QUERBES ST MTL R R 4 VAL DAVID QUE	B ENG 1 CR 6 6376
MORRELL RODNEY J 1730 DEPATIE AVE VILLE ST LAURENT QUE	B ENG 1 RI 7 8198
MORRELL ROGER M 78 GABLES COURT BEACONSFIELD QUE	MED DIPL 1
MORRIER DONALD ROBERT 4850 MADISON AVE MONTREAL QUE	B ENG CIV 4 HU 4 2682

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MORRILL MARY DEANNA MACDONALD COLLEGE 613 BELCOURT ST DRUMMONDVILLE QUE	B SC H EC 3
MORRIS ALEXANDER J 3473 UNIVERSITY ST MTL 1712 FAYOLLE AVE VERDUN QUE	B D 3
MORRIS BRIAN MICHAEL 1498 MACKAY ST APT 3 MONTREAL QUE	B SC 1 WE 3 3538
MORRIS EARL LAYTON 159 KINGS RD VALOIS QUE	B ENG PHY 4
MORRIS EVELYN 5130 BOURRET APT 18 MONTREAL QUE	PARTIAL RE 1 5976
MORRIS GLENDA ELLEN 11 AINSLIE AVE OUTREMONT QUE	B A 3 CR 6 9794
MORRIS HERBERT BARRY P 1455 CRESCENT ST MTL NORTH OUARME WHEDDON CROSS NR MINEHEAD SOMERSET ENGLAND	B COM 1 AV 8 7972
MORRIS KEITH DESMOND ST C 546 PINE AVE W APT 6 MTL HIGHGATE JAMAICA T W I	B SC 2 VI 4 7963
MORRIS KENNETH M 4977 VICTORIA AVE MONTREAL QUE	B ENG 1 HU 9 1726
MORRIS MARGARET GAYE 851 ROLLAND AVE VERDUN QUE	B A 1 PO 7 5486
MORRIS ROGER ST ELMO D C 2066 MANSFIELD ST MTL ST ELMO PINFOLD ST BARBADOS T W I	B COM 2 VI 2 0853
MORRISON ERNEST HUGH 381 GROSVENOR AVE WSTMT R R 6 LACHUTE QUE	B ENG 2 WE 7 2529
MORRISON GARNET M BRITTAIN HALL GOULD QUE	2 TCHRS 1
MORRISON HUNTLY FRANCIS 5975 NOTRE DAME DE GRACE MONTREAL 28 QUE	B SC 4 HU 4 6688
MORRISON KEITH INGLIS WILSON HALL CENTRAL RD KENCOT KINGSTON 10 JAMAICA B W I	B A 2
MORRISON ROBERT WILLIAM 6195 N D G AVE MONTREAL QUE	B ENG PHY 4 HU 1 9429
MORRISON RUTH M MACDONALD COLLEGE R R 1 BOX 49 THETFORD MINES QUE	3 TCHRS
MORRISSETTE PAUL JEAN 125 DUFFERIN RD HAMPSTEAD QUE	B ENG 2 HU 6 2862
MORROW PATRICK JEROME 3581 UNIVERSITY ST MTL 271 CEDAR ST SUDBURY ONT	B ENG 2 VI 9 1368
MORROW ROBERT I NO 1 EAST COTTAGE MACDONALD COLLEGE QUE	B SC AGR 2
MORSE CHARLES MICHAEL DOUGLAS HALL P O BOX 340 COOKSHIRE QUE	B ENG 2
MORSE GWENDOLYN D ROYAL VICTORIA COLLEGE 255 METCALFE ST APT 53 OTTAWA ONT	B A 1
MORSE STEARNS ANTHONY 3538 PARK AVE MTL 4 NO PARK ST HANOVER N H U S A	PH D 2 VI 2 0329
MORSE THOMAS NICOLAS T 3581 UNIVERSITY ST MTL 828 SO CHURCH WEST CHESTER PA U S A	B ENG 2 VI 9 1368
MORTENSON ERIK 3609 UNIVERSITY ST MTL EINABU NO ALVDAL NORWAY	PH D 2 AV 8 6307
MORTON ALLAN 7750 BIRNAM AVE MONTREAL 15 QUE	MED DIPL 4 CR 9 0352
MORTON MARGARET G MACDONALD COLLEGE 961 DUNSMUIR RD MONTREAL 16 QUE	P E DIP 2
MORTON THOMAS K 3360 RIDGEWOOD AVE APT 6 R R 2 ANCASTER ONT	B ENG MCH 5
MOSCOVITCH CAROLE SUE 4940 DORNAL AVE MONTREAL QUE	B A 1 RE 9 2936
MOSCOVITCH DAVID HIRSCH 5729 DAVIES AVE MONTREAL 29 QUE	M SC 1 HU 1 7896
MOSCOVITCH GARY 7485 STUART AVE APT 2 MONTREAL 15 QUE	B C L 1 CR 1 8497
MOSCOVITCH HENRY 3029 ST SULPICE RD MONTREAL QUE	B A 1 WE 7 3254
MOSCOVITZ JUDITH 4614 WILSON AVE MONTREAL 28 QUE	B A 1 HU 6 7968
MOSCOVITZ WALTER 7085 CHESTER AVE MONTREAL 29 QUE	B ENG 1 HU 9 2677
MOSELEY COLIN F 170 HIGHFIELD AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 8 1382
MOSES LOIS PAMELA 4917 JEAN BRILLANT MONTREAL QUE	B A 3 RE 8 7531
MOSHER JOHN FAYENE 545 PINE AVE MTL COEYMANS N Y USA	MD CM 4 VI 5 7045
MOSHER THOMAS F DOUGLAS HALL COEYMANS N Y U S A	MD CM 1
MOSS CAROL LISA 5721 WESTMINSTER AVE TOWN OF COTE ST LUC QUE	B SC 1 HU 6 8694
MOSS FREDERICK A 5050 WALKLEY AVE MONTREAL 29 QUE	B ENG 1 HU 4 8081
MOSS HARVEY 2865 GOYER ST APT 20 MONTREAL QUE	PARTIAL RE 1 2915
MOULE JOHN WILLIAM 3355 DECELLES PL APT 100 68 NORTH OVAL HAMILTON ONT	MD CM 2
MOUNT GRAEME S 39 BRYNMOR AVE MONTREAL WEST QUE	B A 2 HU 8 7078

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MOURATIDES ANASTASIO I P O BOX 1054 STATION B MTL BUENOS AIRES ARGENTINE	M A 1 AV 8 1475
MOUSSETTE CHARLES 582 MAPLE ST ST LAMBERT QUE	B COM 4 OR 1 5177
MOUSSETTE ROLAND H 582 MAPLE AVE ST LAMBERT QUE	B SC AGR 1
MOWAT DAVID N BOX 183 MACDONALD COLLEGE BOX 37 R R 2 OTTAWA ONT	M SC 1
MOWAT FRANCES ELIZABETH ROYAL VICTORIA COLLEGE 15 PARK ST W COPPERCLIFF ONT	B SC 3 VI 2 0847
MOWAT WILLIAM MICHAEL 1336 SHERBROOKE ST W MONTREAL QUE	B A 1 VI 2 5031
MROSCZCZAK WITOLD EDWARD 328 CLEMENT AVE DORVAL QUE	B SC 3 ME 1 8349
MROZ BERNICE R 2840 VAN HORNE AVE APT 8 MONTREAL 26 QUE	H S D DIP RE 3 3926
MUBARAK NASRELDIN 3509 HUTCHISON ST APT 25 MONTREAL QUE	M A 2 AV 8 9811
MUHAMMED WASEEM HUT A 6 MACDONALD COLLEGE QUE	PH D 3
MUHLSTOCK BRAHM H 1785 VAN HORNE AVE OUTREMONT QUE	B SC 1 RE 8 6917
MUI DAVID YICK HUNG 70 WESTMINSTER N MTL 59 BONHAM RD 1ST FLOOR HONG KONG	B ENG EL 4
MUIR WILLIAM E 874 FIRST AVE VERDUN QUE	B SC 2 PO 9 6875
MUIR WILLIAM RUSSEL 4640 DOHERTY AVE MONTREAL 28 QUE	B A 2 HU 4 2580
MUIRHEAD GOULD A C 3851 UNIVERSITY ST MTL LAVANDON ST BRELADE JERSEY CHANNEL ISLES ENGLAND	B SC 3 VI 4 1316
MUIRHEAD GOULD JAMES S 3851 UNIVERSITY ST MTL LAVANDON ST BRELADE JERSEY CHANNEL ISLES ENGLAND	B SC 4 VI 4 1316
MUKASIE LEONARD HARRY 6297 DE VIMY AVE MONTREAL QUE	B COM 3 RE 8 3710
MULDERS MARIE A STEWART HALL ST MARY S FARM R R 1 DOMVILLE ONT	B SC H EC 1
MULLER ANNA KAROLA 265 PINE AVE W APT 2 MONTREAL QUE	MED DIPL 4
MULLER HERBERT F 356 PINE AVE W MONTREAL QUE	MED DIPL 4 AV 8 2683
MULLER RUTH D STEWART HALL 525 WALNUT AVE ST LAMBERT QUE	2 TCHRS 1
MULLER THOMAS 5545 COTE ST LUC RD APT 42 MONTREAL QUE	M SC 2 HU 8 7957
MULLINGS FAIRFAX A R 3631 LORNE CRES MTL BULL SAVANNAH P A JAMAICA B W I	B COM 4 VI 2 0690
MULOCK LOIS C 22 LEGAULT ST STE ANNE DE BELLEVUE 1314 CRAWFORD BRIDGE AVE VERDUN QUE	2 TCHRS
MUMBY HEATHER R 1575 BEAUDET ST VILLE ST LAURENT QUE	2 TCHRS 1 RI 7 4038
MUMBY LYNN WILLIAM 1575 BEAUDET ST VILLE ST LAURENT QUE	B ENG 2 RI 7 4038
MUNDLE ROBERT MURRAY 3320 NOTRE DAME ST MTL SACKVILLE N B	MD CM 4 ME 7 1161
MUNOZ STANLEY R 4690 ST URBAIN ST MONTREAL QUE	B A 2 VI 2 2877
MUNRO IAN C MACDONALD COLLEGE R R 2 RICHMOND ONT	B SC AGR 1
MUNRO JAMES ALBERT 779 UPPER BELMONT AVE WESTMOUNT QUE	B COM 1 HU 6 4755
MUNRO JOHN ROBERT LACHINE GENERAL HOSPITAL 1170 W 70TH AVE VANCOUVER B C	MD CM 4
MUNRO WILLIAM RICHARD S 380 ROSLYN AVE WESTMOUNT QUE	B SC 3 WE 7 1367
MUNROE JAMES PARKER 3660 LORNE CRES APT 4 C O R C A F STN HOSPITAL COLD LAKE GRAND CENTRE ALTA	MD CM 3 AV 8 3074
MURAD GEORGE 3433 DUROCHER ST APT 2 SCARBOROUGH TOBAGO B W I	B SC 3 VI 2 2489
MURDOCH MARGARET J MACDONALD COLLEGE 174 JOFFRE ST MCMASTERVILLE QUE	3 TCHRS
MURDOCK ALAN IRVING WILSON HALL 651 ISLAND PARK DR OTTAWA ONT	B SC 4 VI 4 0624
MURPHY CHARLES L 1967 BAILE ST APT 3 MONTREAL QUE	M SC 1 WE 3 5769
MURPHY DAVID ALTON 28 BROCK AVE N MONTREAL WEST QUE	MD CM 3 HU 8 6633
MURPHY GERARD FRANCIS 1280 PINE AVE WEST MONTREAL QUE	PH D 2 VI 2 9451
MURPHY HENRY JOHN 3484 DUROCHER ST APT 305 MONTREAL QUE	B SC 3 AV 8 9900
MURPHY IAN DEIGHTON 3549 LORNE AVE MONTREAL QUE	MD CM 3 AV 8 1687
MURPHY JOSEPH 257 MILTON ST APT 17 MONTREAL QUE	PH D 3 VI 9 1058
MURPHY PATRICK G 6650 DECELLES AVE APT 11 MONTREAL QUE	MED DIPL 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MURPHY TERRY GORDON 3506 UNIVERSITY ST MTL C O WILLROY MINES MANITOUWADGE ONT	B COM 2 VI 4 0624
MURRAY BRIAN L MACDONALD COLLEGE 861 ELLIS AVE TORONTO 3 ONT	B SC AGR 1
MURRAY FLORENCE E A MACDONALD COLLEGE 658 DE L EPEE AVE OUTREMONT QUE	B SC H EC 1
MURRAY JILL E 98 BRUNET AVE POINTE CLAIRE QUE	2 TCHRS
MURRAY MARION ROYAL VICTORIA COLLEGE 3600 N VERNON ST ARLINGTON VA U S A	B SC 4
MURRO SERAFINA SARA 8057 PAPINEAU ST MONTREAL QUE	B A 2 RA 8 5439
MUSTARD NORAH 3706 PEEL ST MTL THE MANAGER THE YORKSHIRE PENNY BANK 97 CHEAPSIDE LONDON E C 1 ENGLAND	B SC N 2 AV 8 2062
MUTHER THOMAS F 2780 WILLOWDALE AVE APT 10 MONTREAL 26 QUE	M SC 1 RE 8 3215
MUZYKA MICHAEL ZENON 7767 EDWARD ST VILLE LASALLE QUE	B ENG 2 PO 8 8400
MYATT WILLIAM V 1742 DE MARICOURT ST MONTREAL QUE	3 TCHRS PO 8 2787
MYERS BETTY J MACDONALD COLLEGE 131 HIGH ST ASHLAND OHIO U S A	PH D 4
MYERS BEVERLY ANN 4854 HARVARD AVE MONTREAL QUE	MD CM 2 HU 4 1966
MYERS CLETUS C C O POWER STATION CASTRIES ST LUCIA W I	B SC AGR 2
MYERSON EILEEN JUNE 553 CHAMPAGNEUR AVE OUTREMONT QUE	B A 2 CR 1 9740
MYERSON LEONARD SELIG 2520 VAN HORNE AVE APT 14 MONTREAL QUE	B COM 3 RE 7 3809

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NAME ADDRESS	COURSE & YEAR TEL. NO.
NADEL MARTIN ALLAN 2804 WILLOWDALE MONTREAL QUE	B COM 1 RE 8 3051
NADELL SHIRLEY REBECCA 2800 WILLOWDALE AVE MONTREAL QUE	B COM 4 RE 8 2068
NADI BEKELE 3558 LORNE AVE E N H DI P O BOX 740 ADDIS ABABA	M C L 1 VI 9 9944
NADLER ELAINE AUDREY 747 LENARK CRES TOWN OF MT ROYAL QUE	B A 2 RE 7 8301
NADLER LINDA RUTH 5566 ALPINE AVE MONTREAL 29 QUE	B A 1 HU 8 5729
NADLER SPENCER 5566 ALPINE AVE MONTREAL 29 QUE	B SC 3 HU 8 5729
NADON GEORGE 255 BLVD ST ROSE LAVAL WEST QUE	B ENG 1
NAGANO ROSE CHISATO STUART HALL 202 JACQUES CARTIER ST FARNHAM QUE	3 TCHRS
NAGARAJAN RAMAKRISHNAN 3557 HUTCHISON ST MTL 19 EAST COOVAM RIVER RD CHINTADRIPET MADRAS INDIA	PH D 2
NAGEON DE LESTANG GILLES BOX 82 MAHE SEYCHELLES	B SC AGR 2
NAGEON DE LESTANG JEAN A WILSON HALL P O BOX 82 MAHE SEYCHELLES	B ENG 2
NAGY ELIZABETH J MACDONALD COLLEGE R R 2 PRINCETON ONT	B SC H EC 1
NAGY GEORGE 2068 SHERBROOKE ST W MONTREAL QUE	B ENG PHY 5 WE 2 7403
NAGY JOSEPH NORMAN CARL 26 LAFLEUR AVE LA SALLE QUE	B ENG CIV 4 DO 6 3284
NAHON ALBERT MACDONALD COLLEGE 3437 PEEL ST MONTREAL QUE	2 TCHRS
NAIK VITHAL RAJARAM 3532 LORNE AVE APT 9 MONTREAL QUE	M A 1
NAIM MOCHTAR 3437 PEEL ST APT 2 MONTREAL QUE	M A 2 VI 4 0027
NAIMARK ALLAN PETER 5854 DECELLES PL MONTREAL QUE	MD CM 3 RE 3 4849
NAJAR DIMITRIUS J 7480 23RD AVE VILLE ST MICHEL QUE	B C L 1 RA 2 9484
NAJMAN LEON 4059 DORCHESTER ST W MONTREAL QUE	B ENG EL 4 WE 2 9700
NAKAI KOJI 30 FULTON AVE TORONTO ONT	B ENG 2
NAPIER PATRICK MURRAY 6077 SHERBROOKE ST W APT 201 MTL 124 1 2 HENRY ST HALIFAX N S	M A 1 HU 1 5861
NAQVI TAWQIRUL H P O BOX 67 MACDONALD COLLEGE 3 50 LALUKHET KARACHI PAKISTAN	PH D 2
NARAIN MAHENDRA 3579 SHUTER ST MONTREAL QUE	M SC 1 VI 9 8287
NARBONNE RENE JEAN ANDRE 11872 SUZOR COTE ST MONTREAL 12 QUE	B ENG CH 3 RI 4 6051
NARWANI KISHORE P 3581 DUROCHER ST MTL P O BOX 280 GEORGETOWN BRITISH GUIANA	MD CM 1 AV 8 2768
NASH ELIZABETH M 41 DUFFERIN RD MTL 874 GARWOOD AVE WINNIPEG 9 MAN	B L S 1 HU 4 4088

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NAME ADDRESS	COURSE & YEAR TEL. NO.
NASH RICHARD GIBSON 3637 UNIVERSITY ST MTL ARDMORE DR R R 2 SIDNEY B C	B SC 4 VI 9 1736
NASON MARGARET R ROYAL VICTORIA COLLEGE 11 MT PLEASANT AVE DARTMOUTH NOVA SCOTIA	PHYSIOTH 2
NASSE JOHN THOMAS 3466 MCTAVISH ST MTL R F D 2 EASTFORD RD SOUTHBRIDGE MASS U S A	MD CM 3 AV 8 9533
NATHAN PETER STEVEN 3220 RIDGEWOOD APT 411 P O BOX 3587 MANILA PHILIPPINES	B A 2
NATHANSON MARTIN MAURICE 3785 DUPUIS AVE MONTREAL QUE	B SC 2 RE 8 3630
NAUGLER FREDERIC PAIST WILSON HALL 165 TERRACE SAN FRANCISCO 27 CALIF U S A	B SC 2
NAUGLER WALTER EDWARD WILSON HALL 165 TERRACE DR SAN FRANCISCO CALIF U S A	B SC 2
NAUROTH CARL PHILLIP 3212 N 4TH ST HARRISBURG PA USA	B SC 1
NAYER PAUL 4545 ST KEVIN AVE APT 2 MONTREAL QUE	B ENG 1 RE 3 6951
NEBESAR BORIS 4584 HINGSTON AVE MONTREAL 28 QUE	M SC 1 HU 1 7949
NEELIN JOHN ERIC 760 PAPINEAU MCMASTERVILLE QUE	PARTIAL
NEGRU LENA 4071 GREY AVE MONTREAL QUE	PARTIAL HU 4 3231
NEIDICH KATHARINA 2420 MARIETTE AVE MONTREAL QUE	PHYSIOTH 3 HU 4 2946
NEIL GRAHAM I MACDONALD COLLEGE R R 1 GRANBY QUE	B ED P ED 1
NEILD BARBARA J 3725 DUPUIS AVE APT 15 MONTREAL 26 QUE	B ED 3 RE 8 9204
NEILL RONALD FREDERICK 110 HEBERT ST MTL DUNANY QUE	B ENG MCH 4 RI 4 3115
NEILSON BARBARA ANN 12 5TH AVE TERRASSE VAUDREUIL QUE	B SC AGR 3
NEJEDLY VLADISLAVA JULIE 8940 LUMSDEN ST MONTREAL 11 QUE	M SC 2
NEMES JUDITH 410 SHERBROOKE ST W APT 8 MONTREAL QUE	B A 2 VI 4 7769
NEMETZ HAROLD 4100 COTE ST CATHERINE MONTREAL QUE	D D S 1 RE 3 5552
NEMIROFF GRETA ELLEN H 4268 MADISON AVE MONTREAL 28 QUE	M A 1 HU 4 5506
NEMIROFF STANLEY ALLAN 4268 MADISON AVE MONTREAL 28 QUE	M A 2 HU 4 5506
NEPTUNE SHEILA Y MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC H EC 1
NERENBERG FLORENCE 4 ST JOSEPH ST STE ANNE DE BELLEVUE 5574 ESPLANADE AVE MONTREAL QUE	3 TCHRS
NERENBERG MORTON ABRAHAM 4720 DUPUIS AVE APT 10F MONTREAL QUE	M SC 2 RE 3 9131
NERMAN YALE 3105 BEDFORD RD APT 14 MONTREAL QUE	MED DIPL 1 RE 9 1176
NEROUTSOS PHILIP NEILL 1375 DUNVEGAN RD MONTREAL QUE	D D S 3 RE 8 6066
NESBITT ARTHUR R 3269 CEDAR AVE WESTMOUNT QUE	B A 2 WE 2 0205
NESBITT CLARE ELIZABETH ROYAL VICTORIA COLLEGE 388 ELM ST WINNIPEG 9 MAN	B A 3
NESBITT VICTORIA AIRD 3243 WESTMOUNT BLVD MONTREAL QUE	B A 3 WE 5 1376
NESS RONALD NELSON 3633 OXENDEN AVE MTL 110 MEADOWBROOK AVE BEAUREPAIRE QUE	B ED 4
NESTER STANLEY 4972 LACOMBE AVE MONTREAL QUE	A & S COM 1 RE 8 1873
NETSCHAY WALTER 6577 29TH AVE MONTREAL 36 QUE	B SC 2 RA 8 6968
NETTERFIELD THOMAS M 3 DECARY PL DORVAL QUE	B ENG 2 ME 1 3733
NEUFELD MURIEL ANNE 204 KINDERSLEY AVE MONTREAL QUE	B SC 2 RE 8 2128
NEUGEBAUER HENRY EDWIN O 11 LAUREWOOD MONTREAL 33 QUE	B SC 3
NEUMANN ESTHER 5 LAMARCHE ST STE ANNE DE BELLEVUE 1574 VAN HORNE AVE MONTREAL QUE	3 TCHRS
NEUMANN URIEL MEYER 1574 VAN HORNE AVE MONTREAL QUE	B C L 3 CR 6 0581
NEVILLE JEAN DORIS FORT COULONGE QUE	M A 1
NEVILLE ROBERT J 300 SHERBROOKE ST W MTL 608 QUEBEC ST SHERBROOKE QUE	B ENG 1 VI 2 0590
NEWBERG LEWIS BARRY 1455 DRUMMOND ST APT 518 74 19 260 ST FLORAL PK LONG ISLAND N Y USA	B SC 3
NEWCOMBE EDWARD HERBERT 3466 MCTAVISH ST MTL 4008 EDGEMONT BOISE IDAHO U S A	MD CM 2 AV 8 9533
NEWELL JOHN COLSTON 3478 MCTAVISH ST MTL HIGHWAYS R R 3 PILKERING ONT	B SC 2 VI 2 7412
NEWGLOSKI GENEVIEVE 579 PAUL PAU ST MONTREAL 5 QUE	B A 2 CL 5 9825

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NAME ADDRESS	COURSE & YEAR TEL. NO.
NEWHAM WALTER DAVID NOEL 631 MILTON ST W MTL 15 PRINCESS DRIVE HIGHLANDS SALISBURY SOUTH RHODESIA CENTRAL AFRICA	M SC 1 VI 2 0121
NEWMAN A OSCAR 4697A VEZINA MONTREAL QUE	B ARCH 6 RE 3 5056
NEWMAN ANN S 421 GLENGARRY AVE MONTREAL 16 QUE	2 TCHRS 1 RE 3 0420
NEWMAN GEORGE PETER 3851 UNIVERSITY ST MTL 17 OREGON ST SPRINGFIELD 8 MASS U S A	B A 4
NEWMAN PETER G 421 GLENGARRY AVE MONTREAL 16 QUE	B ENG 2 RE 3 0420
NEWMAN SHERRILL GAY 158 DUFFERIN RD HAMPSTEAD QUE	B SC 2 HU 4 2592
NEWMAN SONIA DEANE 3302 CEDAR AVE WESTMOUNT QUE	B A 2 WE 2 1870
NEWTON DOUGLAS ALLAN 33 SUNNY ACRES DR BAIE D URFEE QUE	B ENG CIV 4
NEY JULIAN 3440 RIDGEWOOD AVE APT 21 MONTREAL QUE	B ENG CIV 4 RE 1 6923
NG PETER KIT FING 1441 DRUMMOND ST MTL 4101 ST URBAN ST MONTREAL QUE	B SC 4 VI 9 4171
NG PETER YIP CHUEN 3422 STANLEY ST MTL 8 OSMONTHUS RD YAU YAT CHUEN HONG KONG	B ENG 2
NG TING KWONG WILKIN 3543 LORNE AVE MTL 434 NATHAN RD KOWLOON HONG KONG	B SC 2 VI 9 9892
NG YIN CHING MARJORIE ROYAL VICTORIA COLLEGE 1 NING YEUNG TERRACE BONHAM RD HONG KONG	B SC 2 VI 2 0147
NGUI KON SUE LYNTON 3549 LORNE AVE MTL 17 BRICKDAM GEORGETOWN BRITISH GUIANA	D D S 1 VI 9 8778
NIAZI IQBAL AHMAD 3515 UNIVERSITY ST APT 3 MONTREAL QUE	PH D 2 AV 8 2918
NICHOL RONALD ROBERT 877 51ST AVE LACHINE QUE	B COM 2 ME 7 7575
NICHOLS ANTHONY R 3637 UNIVERSITY ST MTL MOONFLEET CHESTER N S	B ENG CH 4 VI 9 1736
NICHOLS JOHN MICHAEL WILSON HALL GREEN ACRES LAPWORTH WARWICKS ENG	B SC 3
NICHOLS THOMAS M 428 SHERBROOKE ST W MTL STONY LANE EXETER R I U S A	MD CM 4 AV 8 6466
NICHOLSON GORDON RICHARD 24 JASPER AVE MTL GOULD QUE	B SC 3 RE 7 1790
NICK EUGENE JENO 538 PRINCE ARTHUR ST W MONTREAL QUE	B ARCH 6 VI 9 0674

NAME ADDRESS	COURSE & YEAR TEL. NO.
NICKERSON HAROLD BROOKLYN DOUGLAS HALL 5 VIEW ST NORTH SYDNEY N S	B A 3 VI 4 0977
NICKLESS DONALD WILLIAM BRITTAIN HALL 320 10TH AVE LACHINE QUE	B SC AGR 2
NICKSON JUNE BERTHA 360 DESAULNIERS BLVD ST LAMBERT QUE	PHYSIOTH 3 OR 1 8418
NICOLAIDIS COSTAS 5748 PARK AVE MONTREAL QUE	B ARCH 3 CR 4 7893
NIDEROST ADRIAN CARL 161 DUFFERIN RD HAMPSTEAD QUE	B ENG MCH 3 HU 1 3537
NIEDERHOFFER MALVINA 2080 GOYER RD MONTREAL QUE	B A 1 RE 7 5786
NIEDERMAYR PAUL EUGEN BOX 166 MACDONALD COLLEGE QUE	B SC AGR 4
NIELSEN IB OLAF 101 CANAL RD LACHINE QUE	3 TCHRS ME 7 9544
NIKIFORIDIS ROMYLOS 1480 MCGILL COLLEGE AVE APT 6 MONTREAL QUE	B ENG 2 AV 8 5868
NIKOULIN DILARA 3433 ST DENIS ST MONTREAL QUE	M SC 1 VI 5 8683
NIMETZ DONALD KENNETH 3431 DRUMMOND ST MTL SOUTHEY SASK QUE	B ENG CH 5 VI 9 0243
NIMPTSCH KLAUS STEFAN 3500 MOUNTAIN ST APT 32 MONTREAL QUE	B ENG MET 5 VI 5 2880
NISHIHATA SHOJI 4176 HINGSTON AVE MONTREAL 28 QUE	B ENG MCH 5 HU 8 5365
NITKIN IRVING MAX 1466 DUCHARME APT 20 OUTREMONT QUE	B ENG AM 5 CR 7 3827
NIX MARION E MACDONALD COLLEGE 30 CHESTER AVE VALOIS QUE	2 TCHRS 2
NIXON JOHN KEVIN 3851 UNIVERSITY ST MTL GOETLITFSTRAAT 94 DEN HAAG HOLLAND	B ENG MCH 5 VI 4 0977
NIXON MARJORIE A 376 STRATHCONA DR TOWN OF MT ROYAL QUE	B SC 3 RE 3 2560
NIXON MURRAY DUNLAP 3430 DRUMMOND ST MTL 182 QUEEN ST ST JOHN N B	MD CM 3 VI 2 0789
NOBL ANDREW 3518 DUROCHER ST APT 2 P P MUNOZ 520 LA SERENA CHILE S A	B COM 2 AV 8 6811
NOBLE FRANCES T 1420 TOWERS APT 415 MONTREAL QUE	PARTIAL WE 7 8019
NOBLE PAUL CAMPBELL 4441 OXFORD AVE MONTREAL QUE	M A 1 HU 8 4087
NOBLE WILLIAM JAMES 316 LETHBRIDGE AVE TOWN OF MT ROYAL QUE	B SC 4 RE 9 1193

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NAME ADDRESS	COURSE & YEAR TEL. NO.
NOEL PATON FREDERICK R 3466 SHUTER ST APT 407 CULTER HOUSE BIGGAR LANARKSHIRE SCOTLAND	B A 2
NORAK ENN 12103 ST EVARISTE AVE MONTREAL QUE	B ENG EL 4 RI 4 6813
NORDHORN DIETER ERNST H 3200 GOYER ST APT 5 MONTREAL QUE	B COM 3 RE 9 2154
NORMAND GERARD LEO 890 ST CHARLES ST APT 6 ST LAMBERT QUE	M SC 2 OR 1 3510
NORRIS PATRICIA EILEEN 3465 DRUMMOND ST MONTREAL QUE	B A 1 VI 4 4735
NORTHEY JOAN MARLENE 1649 LINCOLN AVE APT 8 LAKEFIELD ONT	B N 2 WE 3 4657
NORTHWOOD VIVIENNE M 371 PRINCE ARTHUR ST W MONTREAL QUE	M A 2 VI 5 5582
NORTON CHRISTOPHER EDWARD WILSON HALL 36 BROMLEIGH COURT FOREST HILL LONDON S E 23 ENG	B ENG CH 3 VI 4 0624
NORTON ELIZABETH H 4562 CORONATION AVE MONTREAL QUE	R ED 1 HU 1 4902
NORWOOD MARGARET MAUREEN 72 CURZON MONTREAL W QUE	B SC 2 HU 1 7034
NOSEWORTH GORDON LIONEL 174 BRAEBROOK AVE POINTE CLAIRE QUE	B A 1 OX 7 0998
NOSZKA JULIUS 3717 JEANNE MANCE ST MONTREAL QUE	B ENG 2
NOTKIN LESLIE IRWIN 3742 THE BOULEVARD WESTMOUNT QUE	B COM 3 HU 6 2310
NOTMAN MARGARET M 102 VALOIS BAY AVE VALOIS QUE	3 TCHRS
NOTOAMIDJOJO KENDARSE R 3474 MCTAVISH ST APT 3 3 TAMBLONG ST BANDUNG INDONESIA	B SC 3
NOVAK BENNO 3463 SHUTER ST APT 2 MONTREAL 18 QUE	B ENG CIV 4 AV 8 3391
NOVICK MARVYN ROBERT 6350 WESTBURY AVE MONTREAL QUE	B SC 2 RE 1 5635
NOVOA RALPH R 2655 MOREAU ST APT 11 MONTREAL QUE	MD CM 1 LA 3 1428
NOVOLKER NINA 51 PERRAULT ST STE ANNE DE BELLEVUE 5528 KING EDWARD AVE COTE ST LUC QUE	2 TCHRS
NOVOTNY ANN MARGARET 3450 DUROCHER ST MONTREAL 18 QUE	M A 2 VI 9 3976
NOWICKI JOHN MAURICE A 55 ALLARD AVE DORVAL QUE	B ENG PHY 3 ME 1 5452
NOWIK JOHN ROBERT 4725 CARLTON AVE MONTREAL QUE	MD CM 2 RE 3 1258
NOWOSELECKI PAWEL 3830 LACOMBE AVE MONTREAL QUE	MED DIPL 1
NOZETZ TOBI 39 NELSON AVE OUTREMONT QUE	B SC 1 CR 4 9951
NUGENT ARNOLD A LEMESURIER QUE	AGR DIP 1
NUGENT MARY P ROYAL VICTORIA COLLEGE BATH CARLETON CO NEW BRUNSWICK	B ED 4 VI 2 0113
NUGENT MARY T ROYAL VICTORIA COLLEGE BATH CARLETON CO NEW BRUNSWICK	PHYSIOTH 2
NUSS JOSEPH ROBERT 4960 KING EDWARD AVE MONTREAL QUE	B C L 4 HU R 6147
NUTIK STEPHEN LAWRENCE 409 CLARKE AVE WESTMOUNT QUE	B SC 3 WE 2 5507
NUTTER JOHN A 226 WESTWOOD AVE DORVAL QUE	2 TCHRS ME 1 8507
NYENHUIS LUCIA TUDOR STEWART HALL 5400 QUEEN MARY RD APT 19 MONTREAL QUE	B SC H EC 2
NYMAN CYNTHIA ROYAL VICTORIA COLLEGE 401 3RD ST W CORNWALL ONT	B A 2 VI 2 0495
NYMARK KARL A W L 2019 STANLEY ST APT 18 ST SAUVEUR DES MONTS QUE	B ENG 1

O

OAKEY NEIL STANLEY 3851 UNIVERSITY ST MTL RIVERS MANITOBA	B SC 3 VI 4 0977
OBERMAN LILA 5563 KING GEORGE AVE COTE ST LUC QUE	B A 1 HU 4 0637
OBERT ANTON 593 WESTLUKE AVE MONTREAL 29 QUE	M S W 2 HU 6 1536
O BRIEN FRANCIS T 3777 DECARIE BLVD APT 11 600 WEST 11TH ST WILMINGTON DELAWARE U S A	MD CM 4
O BRIEN JOHN LEWIS HUGH 405 CLARKE AVE WESTMOUNT QUE	B A 3 WE 3 4152
OBROCHTA ROBERT F 4673 COTE ST CATHERINE R D 1 HAMMONDSPORT N Y USA	M SC 1 RE 3 3745
OBUCHOWICZ CASIMIR 6986 13TH AVE MONTREAL 36 QUE	B ENG CIV 3 RA 2 6417
O CONNELL THOMAS A 3484 PEEL ST MTL 624 GILBERT ST HELENA MONT U S A	B SC 3 VI 4 5922
O CONNOR TERRENCE PATRICK 6825 MONKLAND AVE MONTREAL QUE	B C L 3 HU 6 8112
ODER REIN 98 LAPERRIERE ST MONTREAL 9 QUE	B ENG EL 3 RI 4 2035
ODIO JUAN JOSE 3485 MCTAVISH ST MTL APARTADO 623 SAN JOSE COSTA RICA	B SC 2 VI 4 0424

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
O DONNELL JOHN REYNOLDS 429 PRINCE ARTHUR W MTL 332 TIGERTAIL RD L A 49 CALIF U S A	MD CM	4
OELMANN PETER 546 PINE AVE W APT 1 MTL LAUFGRABEN 35 HAMBURG 13 GERMANY	B ENG VI 9 1493	2
OESTERREICH NORBERT H 4475 GRAND BLVD MONTREAL QUE	B SC HU 9 5127	2
O FARRELL STEPHEN THOMAS FIELD HOUSE 991 MANRESE AVE QUEBEC CITY QUE	B ENG CH VI 4 4270	5
OFENHEIM PAULINE E A ROYAL VICTORIA COLLEGE 10 AVA CRESCENT TORONTO ONT	B SC	1
OFFICER LAWRENCE HOWARD 6267 MOUNTAIN SIGHTS AVE MONTREAL QUE	B A RE 8 6311	3
OFFORD DAVID R MTL GENERAL HOSPITAL 603 ROOSEVELT AVE OTTAWA ONT	MED DIPL	1
O FLAHERTY WILLIAM JAMES 3630 DUROCHER ST APT 48 BRUNT POINT NFLD	MD CM	3
OGILVIE MICHAEL J 1520 MCGREGOR ST APT 41 MONTREAL QUE	B C L WE 7 9677	1
OGILVY WILLIAM L 3504 PARK AVE APT 10 MONTREAL QUE	MED DIPL VI 4 0233	5
OGOE MORGAN I 3500 SHUTER ST APT 2 MTL P O BOX 106 SEKONDI GHANA	B ENG AV 8 7994	1
OGRYZLO CHARLES THOMAS 3506 UNIVERSITY ST MTL 31 GORDON RD WILLOWDALE ONT	B ENG MCH VI 4 0624	4
OGRYZLO ELMER ALEXANDER 3609 UNIVERSITY ST MTL BOX 873 DAUPHIN MANITOBA	PH D AV 8 6307	4
O HARA BERNARD WILLIAM 3734 JEANNE MANCE ST MTL MOOERS NEW YORK U S A	D D S VI 9 0111	4
O HARA PATRICK A 5373 HUTCHISON ST MONTREAL QUE	B ENG CR 2 0573	2
O HASHI DAVID AKIRA 629 PRINCE ARTHUR ST W 1937 ANGUS ST REGINA SASK	MD CM VI 9 0739	2
OJA PIRET 1071 DRUMMOND ST MONTREAL QUE	B SC UN 1 3758	2
OJA REINO VERNER 2787 BRINTON RD MTL 150 JOSEPH ST KINGSTON ONT	PH D RE 1 4627	3
OJA TONIS 1071 DRUMMOND ST MONTREAL QUE	B SC UN 1 3758	4
OKILL GIFFORD L 4917 DRAPER AVE MONTREAL QUE	B COM HU 9 5626	2
OKIWE ANIZOBA GEORGE 538 PRINCE ARTHUR ST W MONTREAL QUE	B COM VI 9 0674	1
OKO MICHAEL URIEL 5775 DUROCHER AVE MONTREAL QUE	B ENG MET CR 2 7049	3
OKULAJA FOLUSO O 3516 LORNE AVE MONTREAL QUE	B SC VI 5 7900	2
OLDHAM RICHARD H 739 EGAN AVE VERDUN 19 QUE	B ENG PO 8 9259	2
O LEARY GEORGETTE A 741 KENASTON AVE TOWN OF MT ROYAL QUE	PARTIAL RE 3 4484	
OLESKER HELEN M 596 GROSVENOR AVE WESTMOUNT QUE	B A HU 8 8257	1
OLESKEVICH PAUL ANTHONY 3431 DRUMMOND ST MTL SMOOTH ROCK FALLS ONT	B ENG VI 9 0243	2
OLIPHANT BARBARA ANNE ROYAL VICTORIA COLLEGE HUDSON HEIGHTS QUE	B A	3
OLIVER HOWARD KEITH 4570 WILSON AVE MONTREAL QUE	B SC HU 6 5242	3
OLIVER JOHN HENRY 7541 BLOOMFIELD AVE MONTREAL 25 QUE	B SC CR 4 0830	1
OLIVER JOSEPH JACOB 4801 GRAND BLVD MONTREAL QUE	B A HU 8 4061	2
OLIZAR JOHN 3448 PRUD HOMME AVE MONTREAL 28 QUE	B ENG EL HU 8 0597	4
OLMSTEAD JOAN R ROYAL VICTORIA COLLEGE BRYSON QUE	B ED VI 2 0477	3
OLNEY ANN CHARLOTTE STEWART HALL R R 4 DANVILLE QUE	B SC H EC	4
OLNEY GERALD PATRICK 5242 COOLBROOK AVE MONTREAL QUE	MD CM HU 1 8403	4
OLSEN ORVIL A 125 BONAVENTURE AVE ST JOHN S NFLD	PH D	4
OLSEN SVEN PETER 10 ROSEMOUNT AVE APT 308 WESTMOUNT QUE	B ENG CIV WE 3 7622	5
OLSON DOUG CAULDER 3434 MCTAVISH ST MTL JASPER ALBERTA	B SC VI 2 4492	4
OLSON ORVAL R J 3611 HUTCHISON ST MTL BOX 364 ASSINIBOIA SASK	B ENG COM VI 4 0879	5
OMAN LINDA V 5727 WESTMINSTER AVE COTE ST LUC QUE	B ED HU 8 4949	1
OMANA ROBERTO 3565 LORNE AVE APT 12 BELLA VISTA 5TH AVENIDA NO 18 CARACAS VENEZUELA	B COM AV 8 4381	3
OOMEN CORNELIA 26 PERRAULT AVE STE ANNE DE BELLEVUE QUE	B ED	3
OOSTDAM BERNARD LODEWYK DOUGLAS HALL MR RENDORPLAAN 16 AMSTELVEEN HOLLAND	B SC	2
OPHER JACOB 1555 MCGREGOR ST MTL 16 MAZE ST TEL AVIV ISRAEL	B ENG AM WE 7 3937	4
ORBACH ERVIN 5330 BESSBOROUGH AVE MONTREAL QUE	B A HU 9 6675	2

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
ORBACH MARVIN 5160 BESSBOROUGH AVE MONTREAL QUE	HU 1 3389	B A 2
ORDOWER RALPH H 2350 BEDFORD RD MONTREAL QUE	RE 1 1241	B C L 1
ORNSTEIN JACK 6550 MOUNTAIN SIGHT MONTREAL QUE	RE 8 6803	B ENG 2
ORPHANOS DEMETPIUS 1689 ST DENIS ST MTL 88 FORMIONS ST ATHENS GREECE		M SC 1
ORR ROBERT R BEDFORD QUE		MED DIPL 1
ORSER MARGARET N 32 OXFORD RD STE ANNE DE BELLEVUE 3431 KING EDWARD AVE MONTREAL QUE		B ED P ED 1
ORSER PATRICIA MARY 3431 KING EDWARD AVE MONTREAL QUE	HU 1 2246	B ED 3
O ROURKE JOHN FRANCIS L 4801 COTE STE CATHERINE APT 18 MONTREAL QUE	RE 8 4598	B COM 2
ORZECK ALBERT 2495 VAN HORNE AVE MONTREAL QUE	RE 3 3306	B SC 2
OSBORN JEAN H 4780 COTE DES NEIGES RD APT 16 MTL 64 KENSINGTON RD IPSWICH SUFFOLK ENGLAND	RE 9 0221	B N 1
OSBORNE EDWARD GORDON 9 2ND AVE DORVAL QUE	ME 1 5334	B ENG EL 3
OSBORNE PAUL WRAY 9 2ND AVE DORVAL QUE	ME 1 5334	B SC 3
O SHEA THOMAS JOSEPH 3633 OXENDEN AVE MTL 407 4TH ST EAST SASKATOON SASK	AV 8 6896	B ENG CIV 4
OSHO PATRICK ADEKUNLE 3474 MCTAVISH ST MONTREAL QUE	VI 2 0805	B ENG CIV 4
OSLER ANN HARTY ROYAL VICTORIA COLLEGE 297 RUSSELL HILL RD TORONTO ONT		B SC 1
OSLER MARY F ROYAL VICTORIA COLLEGE 307 RUSSELL HILL RD TORONTO ONT		B A 1
OSLER ROBERT MICHAEL COMO QUE		B A 1
OSTAPEIC PAUL 28 TAYLOR DR TORONTO ONT		B ENG MCH 4
OSTRER NIGEL ALEXANDER 2047 STANLEY ST APT 26 MTL FLAT 3 GROSVENOR HOUSE PK LANE LONDON W 1 ENGLAND	VI 4 6751	B A 2
OSTROFF GERLDINE JOYCE 6280 MACDONALD AVE HAMPSTEAD QUE	HU 4 5637	B A 4
OSTROSKI MICHAEL ANTHONY 3569 ST FAMILLE MTL BOX 198 ESPANOLA ONT	VI 2 2896	B ENG 2
OSTROWSKA DANUTA MARIA 4105 COTE DES NEIGES RD APT 12 MONTREAL 25 QUE	WE 7 8417	B A 4
O SULLIVAN MAUREEN E J 5678 12TH AVE MONTREAL 36 QUE		PARTIAL
O SULLIVAN ROBERT DAVID 5373 DUPUIS AVE MONTREAL 29 QUE	RE 8 4622	B ENG MCH 3
OTLEY GERALD ROGER BOX 12 MACDONALD COLLEGE QUE		B SC AGR 4
OTOBO GUY EBOE 3541 SHUTER ST MTL C O CHIEF W E OTOBO P O BOX 5 UGHELLI NIGERIA	VI 2 0892	B ENG CIV 4
OTSON REIN 1505 DECELLES ST APT 12 VILLE ST LAURENT QUE	RI 7 3216	B SC 2
OTTLEY IVOR A H P 3473 UNIVERSITY ST MTL SCARBOROUGH TOBAGO T W I	VI 4 0817	PARTIAL
OTTOLENGHI EMMA FRANCA 456 PINE AVE W APT 37 P O BOX 77 GENOVA NERVI ITALY	VI 4 8382	MD CM 2
OUELLETTE ALAIN R J 328 ST PATRICK OTTAWA ONT		B SC AGR 1
OUIMET SUZANNE 1810 LAJOIE AVE MONTREAL QUE	RE 8 4052	PARTIAL
OUPCHER CHARLOTTE JOSIANE 4610 GRAND BLVD APT 5 MONTREAL QUE	HU 1 9318	B A 2
OUTERBRIDGE EUGENE W 3649 DUROCHER ST APT 6 BLINK BONNIE SHELLY BAY BERMUDA	VI 5 7788	PARTIAL
OUTERBRIDGE JOHN S 3663 LORNE CRES MTL EVELEIGH DEVONSHIRE BERMUDA	VI 9 4079	MD CM 1
OVERING ROBERT L R 2060 AVE DES CEDRES ST BRUNO CO CHAMBLY QUE	OL 3 6113	M A 1
OWEN JANE CHRISTY 973 DUNSMUIR RD TOWN OF MT ROYAL QUE	RE 7 2350	B A 1
OWENS PATRICIA SCOTT 637 GROSVENOR AVE WESTMOUNT QUE	HU 8 8672	B SC 2
OWUSU THEOPHILUS DZAM 3565 COTE DES NEIGES MTL TONGOR PEKI GHANA WEST AFRICA	WE 2 2300	B ENG MCH 3
OYER CHARLES WALKER 3637 UNIVERSITY ST MTL 31 WRIGHT ST WOLCOTT N Y USA	VI 9 1736	D D S 2
OZERNITSKY SIDNEY 5851 TERREBONNE AVE MONTREAL QUE	HU 1 3223	MD CM 1

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
PAASUKE REIN TOIVO 327 WESTMINSTER AVE N MONTREAL WEST QUE	HU 8 7313	B SC 2
PABLO GIL E 7745 SHERBROOKE ST E MTL STO DOMINGO NUEVA ECIJA PHILIPPINES	CL 5 2847	M SC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PACHL RUDOLPH JOHN 5751 COTE ST ANTOINE RD MONTREAL QUE	B ENG 1 HU 1 6673
PACKARD MICHAEL JOHN C 3463 PEEL ST MTL 4059 BEACONSFIELD AVE MONTREAL 28 QUE	B A 2
PACKER STEVEN ROBERT 3568 VENDOME AVE MONTREAL QUE	B COM 3 HU 4 4749
PADRO JACOB 5100 HUTCHISON ST APT 8 MONTREAL QUE	B SC 1 CR 7 9532
PAGE DOUGLAS EVERETT 5280 SHERBROOKE ST LACHINE QUE	M SC 1 ME 7 3849
PAGE JOYCE E 4745 QUEEN MARY RD APT 11 MTL 317 SECOND ST WEST CORNWALL ONT	B N 1 RE 8 5958
PAGE PATRICIA A MACDONALD COLLEGE 1013 6TH AVE POINTE AUX TREMBLES QUE	2 TCHRS 1
PAGOTTO RICHARD PIERRE A 102 LINWOOD CRES MONTREAL QUE	B ENG CIV 4 RE 8 4035
PAIGE WILBUR ERNEST 3330 RIDGEWOOD AVE MTL WINDSOR MILLS QUE	D D S 4
PAJARI GEORGE EDWARD 2525 DARLING AVE APT 5 MONTREAL QUE	M SC 1 LA 6 4868
PAL IZZUD DIN 5530 DECELLES AVE APT 6 MONTREAL 26 QUE	PH D 4 RE 8 6751
PALAMEDES BASILE 3615 DUROCHER ST MTL 112 PERCY ST OTTAWA ONT	M A 1 VI 4 6977
PALMASON FLORENCE DIANE ROYAL VICTORIA COLLEGE 1985 HANOVER RD MONTREAL 16 QUE	M SC 1 VI 9 0993
PALMER GRACE D 865 LEVIS ST DRUMMONDVILLE QUE	PARTIAL
PALMER WILFRED HOWARD 337 ROSLYN AVE WESTMOUNT QUE	MED DIPL 4 WE 3 5208
PALMERTON CALSON D 429 PRINCE ARTHUR ST W 510 NO SWEETZER AVE L A 48 CALIF USA	MD CM 1
PALVOGYI FRANK 2820 MAPLEWOOD AVE MONTREAL QUE	B ENG PWR 5 RE 7 3170
PALYI LASZLO 4740 ST KEVIN ST APT 6 MONTREAL QUE	B A 2 RE 8 7379
PANCER RONALD 782 DE L EPEE AVE OUTREMONT QUE	B ENG EL 4 CR 9 6870
PANCHAM SONILAL R 1001 SHERBROOKE ST W MTL BORDE NARVE VILLAGE BRONTE ESTATE SAN FERNANDO TRINIDAD B W I	B SC 3 VI 4 2122
PANDE SHASKI KUMAR 3528 SHUTER ST W APT 3 MONTREAL QUE	MED DIPL 5 VI 9 1553

NAME ADDRESS	COURSE & YEAR TEL. NO.
PANG PETER C T 3512 SHUTER AVE MTL 529 CANTON RD 2ND FLOOR KOWLOON HONG KONG	B ENG CIV 3
PANKHURST RUTH FRANCES 2005 MANSFIELD ST APT 3 MONTREAL QUE	MD CM 3 VI 5 2048
PANTIOS STEVEN 4601 CLARK ST MONTREAL QUE	B SC 1 VI 5 4312
PANTON VERMA W ROYAL VICTORIA COLLEGE 23 DUNROBIN AVE KINGSTON 10 JAMAICA T W I	B ARCH 1
PAPACONSTANTINOU JOHN BRITTAIN HALL 32 PANOS ST TRIPOLIS GREECE	B SC AGR 3
PAPADOPOL MICHEL 3517 JEANNE MANCE ST MONTREAL QUE	B ENG CIV 5 VI 9 5897
PAPAURELIS LUDWICK L 5309 CHURCHILL ST MONTREAL 36 QUE	B ENG 2 RA 8 0464
PAPEZIK VLADIMIR STEPHEN DEPT OF GEOLOGY 3570 DUROCHER ST MONTREAL QUE	PH D 3
PAPPELBAUM STANLEY JACK 5165 ISABELLA AVE MONTREAL 29 QUE	B SC 4 RE 7 1455
PAQUET ANN M 250 HAUTE RIVE DUVERNAY CO DE LAVAL QUE	M S W 2 MO 9 0356
PAQUETTE ANDRE CLAUDE 3691 MENTANA ST APT 1 MONTREAL QUE	B SC 4 LA 2 7346
PAQUIN J GUY ST ANDRE KAMOURASKA QUE	B ENG CIV 4
PAQUIN JEAN CLAUDE 296 QUINN BLVD LONQUEUIL QUE	B ENG CH 5 OR 4 6572
PARAKKAL PAUL FABY 633 UNDERHILL PL MTL PARAKKAL HOUSE ALWAYE INDIA	M SC 2 VI 5 5930
PARAKOVITS FERENC J 5880 NOTRE DAME DE GRACE MONTREAL QUE	B ENG CIV 4 HU 8 8363
PARANCHYCH WILLIAM 2166 ST LUKE ST APT 607 9624 99A ST EDMONTON ALTA	PH D 2
PARCHMENT DONALD A MACDONALD COLLEGE PYPPES PEN P O JAMAICA B W I	B SC AGR 3
PARENT RICHARD GERARD 548 SHERBROOKE ST W MTL LILLE MAINE U S A	B ENG CH 4
PARILLO JOHN J 3655 OXENDEN AVE MTL 739 MASON ST SCHENECTADY 8 NEW YORK USA	MD CM 1 VI 9 3014
PARISH MARY HELEN 7268 BLOOMFIELD AVE MONTREAL QUE	PARTIAL CR 7 3449
PARK LEAH D 9 WOOD CRES BEACONSFIELD QUE	PARTIAL
PARK MARTIN DAVID 6232 MACDONALD AVE HAMPSTEAD QUE	B A 4 HU 9 2615

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PARKER GORDON GLENN 5403 DUPUIS AVE MONTREAL 29 QUE	B ENG CH 5 RE 8 2277
PARKINS GAIL K 465 GROSVENOR AVE WESTMOUNT QUE	B SC N 2 WE 5 6812
PARKINSON CAROL JOAN 435 BRIXTON AVE ST LAMBERT QUE	B SC 3 OR 1 6693
PARRISH ROBERT MERLE 3673 PARK AVE MTL TURNERVILLE ONT	MED DIPL 3 VI 9 5911
PARRY JOHN T 3621 OXENDEN AVE APT 4 MONTREAL QUE	PH D 2 AV 8 7745
PARSONS HERBERT AYLMER C O P C MCKELVEY 10023 PARK GEORGE MTL ISLAND BROOK QUE	B ENG PHY 3
PARSONS IAIN RONALD DERRY 4860 QUEEN MARY RD APT 9 MONTREAL QUE	B A 2 RE 1 1393
PARSONS RICHARD DERRY 4860 QUEEN MARY RD APT 9 MONTREAL QUE	B ENG CIV 4 RE 1 1393
PASCAL ELIZABETH I ROYAL VICTORIA COLLEGE 16 ARTHUR ST BRANTFORD ONT	B COM 1 VI 2 0334
PASKAL VIVIAN PEARL 2330 PATON ST ST LAURENT QUE	B SC 1 RI 4 4745
PASLAWSKI LILLIAN J 1310 PINE AVE W MTL 516 OTTAWA AVE WINNIPEG 5 MAN	B N 1 VI 4 0334
PASTERNAK ISRAEL SZAPSAJ 3650 MOUNTAIN ST APT 305 P O BOX 109 BRIDGETOWN BARBADOS B W I	PH D 4 AV 8 3476
PASTERNAK ROWENA W 3650 MOUNTAIN ST APT 305 694 MCINTYRE ST W NORTH BAY ONT	M SC 2 AV 8 3476
PASTIEN MICHAEL 154 LOUISA ST APT 4 OTTAWA ONT	B ENG CIV 4
PASZTOR PETER JOHN 4921 CLANRANALD AVE APT 103 MONTREAL QUE	B COM 4
PATERSON MARGERY GORDON 4311 MONTROSE AVE WESTMOUNT QUE	B A 2 WE 3 6985
PATERSON REGINALD J 1592 PINE AVE W MTL 119 E MAIN ST SACKVILLE N B	B ENG CIV 5 WE 3 0779
PATERSON RICHARD D 148 SUNNYSIDE AVE LAKESIDE QUE	B ENG 1
PATERSON WHEELER IAN R 1290 PINE AVE MTL CAIXA POSTAL 571 RIO DE JANEIRO BRAZIL SOUTH AMERICA	B ENG PWR 5
PATERSON WILLIAM GORDON 6550 WILDERTON AVE APT 19 MONTREAL 26 QUE	PH D 3 RE 8 2820
PATON HUGH ANTHONY 111 SUNNYSIDE AVE WESTMOUNT QUE	B ENG 1 HU 8 5263
PATRICK GODWIN OLU 3516 LORNE AVE APT 1 MTL AV C M S CHURCH OGORI VIA OKENE NIGERIA	B SC 4 8 9403
PATRICK WILLIAM JAMES 5600 QUEEN MARY RD MTL WHITEWOOD SASK	B ENG 2 HU 4 9357
PATTEN PENELOPE M 26 MAPLE AVE STE ANNE DE BELLEVUE MEADOWBANK FARM KNOWLTON QUE	HD ICRAFTS 1
PATTEN ROBERT L DOUGLAS HALL 104 NOWELL ST S CHILLIWACK B C	MD CM 1
PATTERSON BETTE D 1559 MCGREGOR ST APT 25 1 GLENBURN COURT ST JOHN N B	B N 1 WE 5 0513
PATTERSON GIBSON H MACDONALD COLLEGE R R 4 OTTAWA ONT	B SC AGR 3
PATTERSON PATRICIA J 3462 WALKLEY AVE MONTREAL 28 QUE	B ED 3 HU 4 3907
PATTERSON ROSS C 91 DE VERE GDNS TORONTO ONT	B SC 2
PATTISON ADELA HAWTHORNE 3426 HUTCHISON ST APT 5 180 ADELARD AVE ROSEMERE QUE	B C L 2 VI 9 1446
PATTISON EDWARD F 4353 CIRCLE RD STE GENEVIEVE PIERREFONDS QUE	B SC 1
PATTON ADERY CATHERINE A 49 DUFFERIN RD HAMPSTEAD QUE	B SC 4 HU 6 1701
PATTON ANITA L 104 CHESTNUT DR BAIE D URFEE QUE	B SC H EC 2
PATTON ROBERT EDWARD 671 WESTCHESTER DR BAIE D URFEE QUE	D D S 1
PATTON RONALD G 671 WESTCHESTER DR BAIE D URFEE QUE	B SC AGR 2
PAULEY ROSS ARTHUR 1465 BERNARD AVE W APT 9 OUTREMONT QUE	PARTIAL CR 9 3376
PAVITT BARRY WILSON HALL 16 MEADOW GARDENS EDGWARE MIDDLESEX ENGLAND	B A 3 VI 4 0624
PAVLYCHENKO ANASTASIA N T ROYAL VICTORIA COLLEGE 1027 TEMPERANCE ST SASKATOON SASK	B ED 4 VI 2 0477
PAYETTE GILLES JOSEPH 4500 CIRCLE RD MONTREAL 26 QUE	B ENG EL 3 RE 8 1790
PAYNE JOHN HOWARD 1395 BELANGER ST APT 1 MONTREAL 35 QUE	B COM 2 CR 2 4648
PEARCE BRIAN CHRISTOPHER 190 DUFFERIN RD MONTREAL 29 QUE	B A 2 HU 9 3274
PEARCE BRYAN WILLIAM 3473 UNIVERSITY ST MTL 8635 FRENCH ST APT 6 VANCOUVER 14 B C	B A 2 VI 4 0817
PEARCE GEORGE ROLAND 3473 UNIVERSITY ST MTL 8635 FRENCH ST APT 6 VANCOUVER 14 B C	B D 2 VI 4 0817

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PEARCE JAMES M 3444 RUSHBROOKE AVE VERDUN QUE	B ENG 1
PEARLMAN RONALD E WILSON HALL 3824 10TH ST S W CALGARY ALTA	B SC 2 VI 4 0624
PEARMUND ROBERT MARSDEN DOUGLAS HALL 9 WOLSEY CLOSE KINGSTON HILL SURREY ENGLAND	B COM 3 VI 4 0977
PECKHAM GLORIA M 3661 ST FAMILLE ST APT 48 MTL 275 SECOND AVE OTTAWA ONT	B L S 1 VI 9 3106
PEDERSEN EIGIL DALSGAARD 179 BEDBROOK AVE MONTREAL 28 QUE	M A 1 HU 1 5934
PEDERSON ERIK CONSTANTINO 3609 UNIVERSITY ST MTL 407 AVE D SOUTH SASKATOON SASK	PH D 4 AV 8 6307
PEENE DICK DOUGLAS HALL 208 DUNVEGAN RD TORONTO ONT	B ENG 2
PEFFER GORDON WOLFE 4708 MACKENZIE ST MONTREAL 26 QUE	B SC 1 RE 7 9523
PEGG PETER J BRITTAIN HALL BROOKE COTTAGE BROCKENHURST HAMPSHIRE ENGLAND	B SC AGR 1
PEI DAVID CHUNG TEE 3712 JEANNE MANCE ST MTL 10 WISTANIA RD KOWLOON HONG KONG	PH D 2
PELADEAU JOSEPH MARK E 92 ST JOSEPH FARNHAM QUE	B COM 4
PELL JERRY 4521 VAN HORNE AVE MONTREAL 26 QUE	B SC 1 RE 7 4017
PELLETIER CAMILE 1470 CHOMEDY ST MTL ST LOUIS CO TEMISCOUATA QUE	B ENG 1
PELLETIER JOSEPH P A N 181 JULES VERNE MONTREAL 10 QUE	B ENG 1 CR 1 1985
PEMBERTON SMITH GEORGE D 418 CLAREMONT AVE MONTREAL QUE	B ENG MCH 5 HU 6 7816
PENG JOHN FAI SUEN 3524 JEANNE MANCE ST MTL 3900 GREYSTONE AVE APT 64F BRONX 63 NEW YORK U S A	B ARCH 4 VI 4 9691
PENNACCHIOTTI RENATA ROYAL VICTORIA COLLEGE AV URDANETA 52 CARACAS VENEZUELA	B SC 1 VI 9 0993
PENNER ARNOLD DEREK EWAN 4650 EARNSCLIFFE AVE MONTREAL QUE	B A 2 HU 1 4368
PENNINGTON ANETTE 241 BALLANTYNE AVE N MONTREAL WEST QUE	B A 1 HU 1 7825
PENTINGA ROBBERT 5190 WALKLEY AVE APT 6 MONTREAL QUE	B D 3
PEPIN GUY 1078 DU COLLEGE ST VINCENT DE PAUL QUE	B C L 4 NO 1 1643

NAME ADDRESS	COURSE & YEAR TEL. NO.
PEPIN PIERRE 4337 PAPINEAU MONTREAL QUE	B ENG 1 LA 3 5540
PEPIN WILLIAM REID 3472 MCTAVISH ST MTL 452 EAST MERRIMAK ST LOWELL MASS U S A	D D S 4
PEPPER LOUISE E MACDONALD COLLEGE 1640 CHAMPIGNY ST MONTREAL 9 QUE	B SC H EC 1
PEREDERY WALTER VOLODYMYR 5494 CHARLEMAGNE AVE MONTREAL 36 QUE	B ENG EL 3 RA 8 2815
PEREL MORTON LEONARD 145 BROOKFIELD AVE TOWN OF MT ROYAL QUE	B SC 4 RE 8 3492
PERELMAN FRANK HENRY D 661 QUERBES AVE APT 5 OUTREMONT QUE	B ARCH 3 CR 6 2830
PEREY BERNARD J F 2084 CLAREMONT AVE MONTREAL QUE	MED DIPL 2 HU 1 0808
PEREY DANIEL Y E 92 FRECHETTE AVE LAVAL WEST QUE	MD CM 1
PERKINS WILLIAM A 12 GORE ST W PERTH ONT	B COM 1
PERLIN BLUME 6325 MACDONALD AVE MONTREAL QUE	B SC 1 RE 1 0939
PERLIS IRENE 5122 LACOMBE AVE MONTREAL QUE	B A 4 RE 3 7975
PERLMUTTER JACOB 5824 CLANRANALD AVE MONTREAL QUE	B ENG 1 RE 7 0244
PERLMUTTER LEWIS LARRY 5216 ESPLANADE APT 2 MONTREAL QUE	PH D 2 CR 1 1814
PERODEAU PETER G 201 BROCK AVE NORTH MONTREAL WEST QUE	B ENG 2 HU 4 3911
PEROT PHANOR L 3801 UNIVERSITY ST MTL 470 VILLENEUVE ST W MONTREAL QUE	MED DIPL 3 CR 9 2149
PERREN SUSAN Q ROYAL VICTORIA COLLEGE 11 ROSEMARY LANE TORONTO 10 ONT	PHYSIOTH 1
PERRON JEAN YVES 5417 WESTMORE AVE MONTREAL 29 QUE	M ENG 3 HU 8 3775
PERRY PATRICIA RUTH 2050 CLAREMONT AVE APT 11 WSTMT 62 MAPLE CRES BEAUREPAIRE QUE	PARTIAL
PERSSON ALFRED V 3295 BARCLAY ST MTL STAR LAKE NEW YORK USA	MD CM 1
PERSSON MAY SUSAN E V 3295 BARCLAY AVE MTL WANA KENA NEW YORK U S A	PARTIAL RE 9 1244
PERZOW BARBARA 51 PERRAULT ST STE ANNE DE BELLEVUE 4831 SHERBROOKE ST W MONTREAL QUE	3 TCHRS
PERZOW SYDNEY MICHEL 5216 CLANRANALD AVE MONTREAL QUE	B SC 1 HU 4 8026

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PETER WILLIAM JOHN DOUGLAS HALL SOUTHAMPTON NEW YORK U S A	MD CM 2
PETERFY GEORGE 4455 DUPUIS AVE APT 15 MONTREAL QUE	MED DIPL 1 RE 3 4557
PETERS BRIAN J 304 CLEMENT ST VILLE LA SALLE QUE	B ENG MCH 3 PO 6 1488
PETERS CHARLES W 35 BARAT RD WESTMOUNT QUE	B A 2 WE 5 5648
PETERS EDWARD ALAN 3478 MCTAVISH ST MTL 114 THOMPSON NEW CONCORD OHIO U S A	B COM 3 VI 2 7412
PETERSEN RALPH GORDON 3430 ST FAMILLE ST MTL LA BREA TRINIDAD T W I	B ENG PWR 5 AV 8 0676
PETERSON REIN 4947 EARNSCLIFFE AVE MONTREAL QUE	B ENG CIV 4 HU 6 6151
PETERSON RICHARD 3285 BARCLAY ST APT 4 MONTREAL QUE	B ENG MCH 3 RE 7 6048
PETO MARGARET 6909 BORDEAUX ST MONTREAL QUE	PH D 4 RA 8 0280
PETRAS GEORGE 7734 CENTRAL ST VILLE LASALLE QUE	PARTIAL
PETRIE EDWARD ARCHBALD 3480 ONTARIO AVE MTL ROTHESAY N B	MD CM 4 VI 9 8785
PETRUK WILLIAM 1429 BISHOP ST MTL GLEN ELDER SASK	PH D 5 VI 4 4572
PFAEFFLIN GOETZ EBERHARD 1181 MOUNTAIN ST MTL GOTTINGEN TREVENHAGEN GEORG ROTT ST 1 GERMANY	B ENG MCH 3 UN 6 0630
PFEFER IRVING MARVIN 4393 MARCIL AVE MONTREAL QUE	B ENG 2 HU 6 3550
PHELPS GERALD R 211 INGLEWOOD AVE POINTE CLAIRE QUE	B ENG 1 OX 7 2037
PHENE NANCY M MACDONALD COLLEGE 7 CORONATION DR NITRO QUE	B SC H EC 1
PHILIPP EDWARD ROWLAND S 495 PRINCE ARTHUR ST APT 23 MTL 1 DYKE CLOSE HOVE 4 SUSSEX ENGLAND	B A 4 VI 9 5995
PHILLIPS CHARLES O D BOX 22 MACDONALD COLLEGE QUE	M SC 5
PHILLIPS GORDON K 275 BEVERLEY AVE TOWN OF MT ROYAL QUE	MD CM 1 RE 8 0572
PHILLIPS IVAN EDWARD 48 BELVEDERE PL WESTMOUNT QUE	B C L 3 WE 3 6996
PHILLIPS ROGER WILLIAM F 4249 BEACONSFIELD AVE 227 GAY LUSSAC ST ARVIDA QUE	B SC 3 HU 4 6400
PHILLIPS WILLIAM J A MACDONALD COLLEGE C O DR J T HENDERSON 1373 ORILLIA ST OTTAWA ONT	AGR DIP 2
PHILPOTT FRANK SUMNER 40 EDGEHILL RD WESTMOUNT QUE	B ENG EL 3 HU 8 8010
PHILPOTTS ANTHONY ROBERT 4 BRUNET AVE DORVAL QUE	M SC 1 ME 1 1125
PHILPOTTS GEOFFREY CLIVE 4 BRUNET AVE DORVAL QUE	B SC 4 ME 1 1125
PHILPOTTS JOHN ALDWYN 4 BRUNET AVE DORVAL QUE	B SC 4 ME 1 1125
PICARD CLAUDE RAYMOND LEO 2805 NOTRE DAME LACHINE QUE	B ENG COM 5 ME 7 2958
PICCOLO ANGELO 8847 VERVILLE ST MONTREAL QUE	B ARCH 1 DU 8 5883
PICK WILLIAM EDWARD 540 26TH AVE POINTE AUX TREMBLES QUE	B ENG MET 5 MI 5 0477
PICKEL GEORGE HAROLD 4835 GROSVENOR AVE MONTREAL QUE	B C L 3 HU 9 5122
PICKERSGILL DAVID N W DOUGLAS HALL 1527 PRINCESS ST REGINA SASK	B ENG CIV 3
PICKETT GEORGE EASTMAN 3851 UNIVERSITY ST MTL 452 REBECCA ST MORGANTOWN W VA U S A	MD CM 2
PICKUP FELICITY J ROYAL VICTORIA COLLEGE P O BOX 13 MACDONALD COLLEGE QUE	B A 1
PICKUP THOMAS MACDONALD COLLEGE P O STE ANNE DE BELLEVUE QUE	PH D 4
PIERCE FREDERICK A MACDONALD COLLEGE R R 1 SHIDIAC RD LEWISVILLE N B	B SC AGR 3
PIERCE LINDA MARGARET 5688 QUEEN MARY RD HAMPSTEAD QUE	PHYSIOTH 2 HU 4 1691
PIERER VON ESCH ALPHONSE 3435 PRUD HOMME AVE APT 26 MONTREAL QUE	B A 4
PIERRE FRANCOIS CHARLES 1290 PINE AVE W MTL 30 MENILMONTANT BLVD PARIS FRANCE	B COM 4 VI 2 6041
PIKE DAVID ALAN WINGEATE 481 PRINCE ARTHUR ST W LINCOMBE DRIVE HOTEL TORQUAM ENGLAND	B A 3 AV 8 7773
PIKE JOHN G 453 ELM AVE MTL 268 HOMEWOOD AVE HAMILTON ONT	PH D 3 WE 3 9325
PIKKSALV TIIT 4940 MACDONALD AVE MONTREAL 29 QUE	B ENG 1 HU 8 0485
PILAR VLAD RUDOLF 3653 UNIVERSITY ST MTL 331 CLARKE AVE APT 43 WESTMOUNT QUE	B A 3 VI 5 2738
PILBEAM HENRY DAVID 3653 UNIVERSITY ST MTL 155 HOLLAND PARK AVE LONDON W 18 ENGLAND	B SC 3 VI 5 2738
PILDITCH SIMON ANDREW L 488 ARGYLE AVE WESTMOUNT QUE	B A 3 WE 5 3120

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PILON JEAN G BOX 84 MACDONALD COLLEGE 130 BLEINVILLE OUEST STE THERESE CO TERREBONNE QUE	M SC 1
PILON ROLAND G 328 STE MARIE STE JEAN QUE	PARTIAL
PILSON MICHAEL E Q SCRIPPS INSTITUTION OF OCEANGRAPHY LA JOLLA CALIF U S A	M SC 2
PIN GINO ANTHONY 3592 UNIVERSITY ST MTL 213 EYRE ST SUDBURY ONT	B ARCH 3 VI 2 2435
PINCHUK EVELYN 4714 LA PELTRIE ST MONTREAL QUE	3 TCHRS RE 3 4324
PINCHUK MARVIN 4912 LACOMBE AVE MONTREAL QUE	B SC 2 RE 8 4381
PINCOTT ROBERT SPENCER 3660 LORNE CRES APT 23 MONTREAL QUE	MD CM 3 VI 5 9812
PINCUS NORMAN N 4612 VEZINA AVE MONTREAL QUE	B ARCH 1 RE 8 0617
PINEL JOHN F 318 BALLANTYNE AVE N MONTREAL WEST QUE	B ENG 1 HU 6 4223
PINKERTON JUDY O 45 MONTEE STE MARIE STE ANNE DE BELLEVUE 377 GRANDE COTE ROSEMERE QUE	B SC H EC 1
PINNEO JEANNE MARIE 2425 BARCLAY AVE MONTREAL QUE	M A 1 RE 8 5154
PINNEO LAWRENCE ROBERT 2425 BARCLAY AVE MONTREAL QUE	PH D 2 RE 8 5154
PINSKY CARL 658 QUERBES AVE OUTREMONT QUE	PH D 3 CR 1 8333
PINSKY ETHEL 17A LEGAULT ST STE ANNE DE BELLEVUE 624 STE GERMAIN AVE OUTREMONT QUE	2 TCHRS 1
PINSKY JOEL ARNOLD 4910 MAPLEWOOD AVE APT 9 MONTREAL QUE	B C L 2 RE 3 7988
PINSKY LEONARD 5131 BARCLAY AVE APT 8 MONTREAL QUE	MD CM 3 RE 3 9376
PIOSNOSKI VERNON J 1458 MACKAY ST MONTREAL QUE	D D S 4 WE 5 3759
PIOTROWSKI ZBIGNIEW S 1877 DORCHESTER ST W APT 5 MTL 31 DIEPPE ST KITCHENER ONT	B SC 1 WE 7 4165
PITFIELD PETER MICHAEL SARAGUAY HOUSE SARAGUAY QUE	M C L 4
PITSAS CONSTANTINE 3241 FOREST HILL APT 41 10 HAWK ST SCHENECTADY 7 N Y USA	D D S 3 RE 3 9126
PIVER IRENE 5081 BARCLAY AVE APT 6 MONTREAL QUE	B A 2 RE 3 6400
PIVNICKI DIMITRIJE 3581 SHUTER ST MTL ING BOGDUNA 6 SARAJCRO YUGOSLAVIA	MED DIPL 4
PIZZO ALBERT GENE 5045 LASALLE BLVD APT 10 5230 PIZZO RANCH RD LA CANADA CALIF U S A	MD CM 2
PLANT RAFE JAMES 3024 BRESLAY RD MONTREAL 6 QUE	B C L 2 WE 5 4570
PLAXTON MARTHA ANN ROYAL VICTORIA COLLEGE 1270 MINAKI RD PORT CREDIT ONT	B A 2 VI 2 0113
PLEET ISRAEL LEONARD 4361 LINTON AVE APT 7 MONTREAL QUE	B A 2 RE 9 0261
PLOTNICK STANLEY 5851 DOLBEAU MONTREAL QUE	B COM 1 RE 7 8651
PLOWMAN ROBERT KEITH 1441 DRUMMOND ST MTL 525 SOMERSET ST W OTTAWA 4 ONT	B ENG CIV 4
PLUMMER MADGE EILEEN ROYAL VICTORIA COLLEGE 4 MALVERN AVE KINGSTON JAMAICA T W I	B A 1
PLUMPTON ARTHUR JAMES B 107 FLORIDA DR BEACONSFIELD WEST QUE	B ENG 2
PLUSS WERNER HERMAN 5707 WESTMINSTER AVE APT 9 MONTREAL 29 QUE	B ENG CIV 3 HU 4 2609
POCOCK DOROTHY M E ROYAL VICTORIA COLLEGE 633 EDISON AVE OTTAWA ONT	B SC 3 VI 2 0327
POCOCK JENNIFER MARGARET ROYAL VICTORIA COLLEGE UPLANDS RINGLEY PARK AVE REIGATE SURREY ENGLAND	B A 2 VI 2 0495
POFELIS SORYL 2110 BARCLAY AVE MONTREAL QUE	B A 2 RE 8 8915
POGUE THOMAS R MACDONALD COLLEGE 942 RIVERSIDE DR TECUMSEH ONT	B SC AGR 3
POIRIER JOHN J 209 1ST AVE VERDUN QUE	M S W 2 PO 9 5637
POIRIER ROBERT 2210 DORCHESTER WEST MTL 171 DENI VERVILLE QUE	PARTIAL VI 7 6962
POLAK MAXIMILIEN 2950 MAPLEWOOD AVE APT 6 MONTREAL QUE	M C L 4 RE 3 7917
POLAND JOHN CUNLIFFE 44 ACADEMY RD WESTMOUNT QUE	B SC 3 WE 2 7638
POLANSKY HARRY MOSES 6332 WESTBURY AVE MONTREAL QUE	B SC 3 RE 8 4581
POLANSKY SYDNEY W 3195 VAN HORNE AVE APT 2 MONTREAL QUE	B ARCH 6 RE 8 6524
POLATSHEK SOL J 5275 WALKLEY ST APT 107 MONTREAL QUE	B ENG CIV 3 HU 9 6930

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NAME ADDRESS	COURSE & YEAR TEL. NO.
POLAWSKI ALEXANDER JOSEPH 3570 SHUTER ST MTL 70 OTTAWA ST N HAMILTON ONT	D D S 3 VI 9 8287
POLEY WANDA H STUART HALL BOX 148 NEW RICHMOND QUE	2 TCHRS 2
POLGER ABRAHAM 5342 CUMBERLAND AVE MONTREAL QUE	B C L 2 HU 8 7971
POLIANSKI ALEXEI N 458 BYRON AVE NO 6 OTTAWA ONT	M A 3
POLICHRONIS IRENE A 1619 VAN HORNE AVE APT 5 MONTREAL QUE	B A 2 CR 6 6860
POLKKI LEO H 2146 GIROUARD AVE MONTREAL 28 QUE	B ENG 1 HU 9 1552
POLLACK AARON 1957 CLINTON AVE MONTREAL QUE	B A 4 RE 8 1070
POLLACK ELIZABETH MONTREAL CHILDRENS HOSP SCHIESSTATTGASSE 14 GRAZ AUSTRIA	MED DIPL 4
POLLARD SAMUEL LISTER 10961 ESPLANADE AVE MONTREAL 12 QUE	PH D 4 DU 8 4252
POLLOCK CATHERINE J 60 OXFORD RD STE ANNE DE BELLEVUE 7680 2ND AVE VILLE ST MICHEL QUE	2 TCHRS 1
POLLOCK DAVID C I 3473 UNIVERSITY ST MTL R R 3 LACHUTE QUE	B ARCH 1
POLLOCK DAVID FINLAY 1515 CHOMEDY ST APT 5 MONTREAL QUE	B SC 2 WE 5 4470
POLLOCK OLIVE JANE B ROYAL VICTORIA COLLEGE R R 3 LACHUTE QUE	B A 4 VI 9 0858
POLLOCK SHEILAH JOY 5139 WESTBURY AVE MONTREAL QUE	B A 2 RE 3 6963
POLLOWY GEORGE 3575 JEANNE MANCE ST APT 5 MTL 109 LOTTRIDGE ST HAMILTON ONT	B ARCH 4 AV 8 3533
POLO CORRALES RAFAEL F 1310 PINE AVE W MONTREAL QUE	MED DIPL 2
POLONI JOHN REGINALD 3471 PEEL ST MTL 201 LANE ST COBALT ONT	B ENG 2 VI 5 6491
POMP EVELYN 19 GARDEN CITY AVE STE ANNE DE BELLEVUE 5165 CASGRAIN AVE MONTREAL QUE	3 TCHRS
PONTE STUART ANTHONY L WILSON HALL 129 GROSVENOR RD LONDON S W 1 ENGLAND	B COM 1
POPE AUDREY J MACDONALD COLLEGE 40 50TH AVE LACHINE QUE	B SC H EC 2
POPE DOUGLAS GEORGE 4088 HINGSTON AVE MONTREAL QUE	B ARCH 3 HU 1 8739
POPE OSBORNE WALCOT J 52 FINCHLEY RD HAMPSTEAD QUE	B A 1 HU 6 7808
POPIERAITIS ANTHONY S 2427 SPRINGLAND AVE MONTREAL QUE	MD CM 2 PO 8 9847
POPKIN DAVID R 23 ELMWOOD AVE SENNEVILLE QUE	B SC AGR 2
POPKIN JOHN O 23 ELMWOOD AVE SENNEVILLE QUE	B SC AGR 1
POPPO MARTIN JOSEPH 4790 PLAMONDON AVE MTL 15 CHESTNUT ST RHINEBECK N Y USA	MD CM 2
PORTCH STANLEY S MACDONALD COLLEGE 44 OXFORD RD BAIE D URFEE QUE	B SC AGR 3
PORTER JAMES G 403 GREENOCK AVE MONTREAL 16 QUE	B ARCH 1 RE 8 5011
PORTNER OLIVER T 5392 PRINCE OF WALES AVE MONTREAL QUE	B SC 1 HU 1 9511
PORTNER PEER MICHAEL 5392 PRINCE OF WALES AVE MONTREAL QUE	B SC 2 HU 1 9511
PORTNOY JOSEPH 4081 ESPLANADE AVE MONTREAL QUE	B SC 1 AV 8 1768
POST GEOFFREY CAMERON 3782 DUPUIS AVE APT 24 WHITNEY ONT	B A 4 RE 1 0974
POTASH GERTRUDE RUTH 776 STUART AVE OUTREMONT QUE	B A 4 CR 9 8702
POTHIER MICHEL CLAUDE 3519 SHUTER ST APT 4 MTL 2580 GIROUARD ST ST HYACINTHE QUE	B C L 3
POTTEL JUDITH RHONA 4977 ISABELLA AVE MONTREAL QUE	B A 2 RE 8 5569
POTTER CYRUS AUGUSTINE 3484 DUROCHER APT 201 MONTREAL QUE	B ENG MCH 4 VI 5 7038
POTTER PAUL HIMMELSBACH 545 PINE AVE W MTL 1275 DELAWARE AVE BUFFALO N Y USA	MD CM 4
POULIN SANDRA JOAN 5051 CLANRANALD AVE APT 202 MONTREAL QUE	B A 1 HU 1 3586
POULIOT GASTON 5164 LA FABRIQUE ST VINCENT DE PAUL CO LAVAL QUE	PH D 2
POUND RICHARD W 529 KENASTON AVE TOWN OF MT ROYAL QUE	B COM 1 RE 3 6283
POUNDER LLOYD GEORGE 3851 UNIVERSITY ST MTL 2819 ISABELLA ST FORT WILLIAM ONT	B ENG CH 3
POWELL ALAN HARLAN 3775 UNIVERSITY ST MTL R R 1 PORT PERRY ONT	MD CM 4
POWELL ANN M 38 CHURCH HILL WESTMOUNT QUE	M S W 1 WE 3 5984

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NAME ADDRESS	COURSE & YEAR TEL. NO.
POWELL CAROLE ANN ROYAL VICTORIA COLLEGE BOX 609 COPPER CLIFF ONT	B SC 3 VI 2 0327
POWELL DIANE FRANCES 60 NORMANDY DR TOWN OF MT ROYAL QUE	MED DIPL 2 RE 7 2526
POWELL ELIZABETH ANN 2174 LINCOLN AVE APT 2 R R 1 PORT PERRY ONT	M SC 1 WE 2 2088
POWELL FRED TEAGLE 3638 DUROCHER ST MTL 734 E 43RD ST BROOKLYN 3 N Y USA	D D S 4 VI 5 8794
POWELL HELEN J 3638 DUROCHER ST MTL 707 DOWKER DR BAIE D URFE QUE	B A 4 VI 5 9487
POWELL JOHN MARTIN 539 PINE AVE W MONTREAL 2 QUE	M SC 2
POWELL LLOYD GLADSTONE 3602 DUROCHER ST MTL 18 OAKDENE AVE VINEYARD TOWN P O JAMAICA B W I	MD CM 4 VI 5 0546
POWELL MARGARET 50 STE ANNE ST STE ANNE DE BELLEVUE 7681 FIRST AVE VILLE ST MICHEL QUE	3 TCHRS
POWELL PATRICIA I STEWART HALL 340 44TH AVE LACHINE QUE	B ED 2
POWELL WILLIAM G BOX 91 MACDONALD COLLEGE QUEBEC	B D 1
POWER GEOFFREY 254 SUNVIEW ST WATERLOO ONT	PH D 5
POWER GRAHAM CLIFFORD 3424 PEEL ST APT 18 MONTREAL QUE	M SC 2
POWER PETER C 3466 SHUTER ST APT 307 THE TAN HOUSE LAPWORTH WARWILKSHIRE ENGLAND	B ENG 2 VI 4 7970
POWERS MAUREEN A M 24 PACIFIC AVE SENNEVILLE QUE	B SC H EC 1
POWERS ROBERT J BRITTAIN HALL 29 CEDAR CRES ST HUBERT QUE	AGR DIP 1
POY NEVILLE GEORGE 3431 DRUMMOND ST MTL 190 SOMERSET ST W OTTAWA ONT	MD CM 3 VI 9 0243
PRAT OLIVIER CHARLES M H 215 BROOKFIELD AVE TOWN OF MT ROYAL QUE	B C L 2 RE 7 9081
PRATIGNO KARMYUNI ROYAL VICTORIA COLLEGE MONTREAL QUE	B SC 3 VI 9 0120
PRATT ROBERT ALAN 166 LAKESHORE DR DORVAL QUE	B SC 3 ME 1 3724
PREISER FRAUZ A MACDONALD COLLEGE 75 GOINEAU PONT VIAU QUE	PH D 2
PRESCOTT BLAKE DANIELS 5125 BOURRET AVE APT 2 56 RIDGE RD E LONGMEADOW MASS U S A	MD CM 2 RE 3 0687
PRESS JOHN R 5891 TRANS ISLAND AVE MONTREAL QUE	B ENG 1 RE 7 2806
PRESSMAN NORMAN EZRA P 5184 WESTBURY AVE MONTREAL QUE	B ARCH 3 HU 4 7677
PRETTY JOHN NEIL 600 ROCKLAND AVE OUTREMONT QUE	B ENG CIV 4 CR 7 1736
PRETTY LOUIS COOPER 600 ROCKLAND AVE OUTREMONT QUE	B ARCH 4 CR 7 1736
PRETTY PETER B MACDONALD COLLEGE 600 ROCKLAND AVE OUTREMONT QUE	AGR DIP 1
PREVILLE PHIL ALBERT 1000 ST ROCH AVE MONTREAL 15 QUE	B ENG MCH 5
PRICE DAVID MILES 1195 ST MARC ST MTL MAIN RD COMO QUE	B A 4 WE 4 1556
PRICE JOHN 3440 RIDGEWOOD AVE APT 25 MONTREAL QUE	MED DIPL 1 RE 3 4231
PRICE WILLIAM M 3489 STANLEY ST APT 302 1170 BOUGAINVILLE AVE QUEBEC CITY QUE	M C L 4 AV 8 3800
PRIDE CAROLINE E MACDONALD COLLEGE 5 WINDERMERE AVE DORVAL QUE	B SC H EC 2
PRIETO PORTER LUIS CALLE 98 520 MIRAMAR LAHABABA CUBA	B SC 1
PRINCE ELTON ANTHONY 2416 PARK ROW W MTL 74 PIETERMAAI CURACAO N W I	D D S 2 HU 6 1841
PRINCE MONA L 837 DOLLARD AVE OUTREMONT QUE	3 TCHRS CR 7 4385
PRINCE RONALD IAN GEORGE 5845 MONKLAND AVE APT 17 MONTREAL QUE	B ENG COM 5 HU 1 2507
PRINDEVILLE SUSAN ROYAL VICTORIA COLLEGE 10200 S LEAVITT CHICAGO 43 ILLINOIS	B A 1
PRINGI MARI 755 HOWARD AVE MONTREAL QUE	B SC 2 CR 1 8924
PRISKO LILLI HEDDI 1555 SUMMERHILL AVE APT 415 MONTREAL QUE	PH D 1 WE 2 8492
PRIVES JOE MARK 5611 CAMPDEN PL MONTREAL QUE	B SC 2 RE 8 7816
PRONOVOST ANDRE GUY 65 SHERBROOKE ST W MTL 3110 5TH AVE SHAWINIGAN SUD QUE	B ENG MCH 4
PROSTERMAN LEONARD LOUIS 555 TAIT ST VILLE ST LAURENT QUE	D D S 3 RI 7 0464
PROUDFOOT JAMES MACNABB BOX 114 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B ENG MI 5

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PROULX ANDRE 1656 CHAMPIGNY ST MTL 203 MONTFORT ST OTTAWA ONT	B ENG MCH 4 PO 8 7854
PROULX PETER 6633 BORDEAUX ST MONTREAL QUE	B SC 4 RA 1 1121
PROVENCHER GASTON 708 WESTCHESTER DR BAIE D URFEE QUE	B ENG 2
PRYDE DOROTHY G 62 HENLEY AVE TOWN OF MT ROYAL QUE	B ED P ED 1 RE 8 1749
PRYSHLAKIVSKA IRENE ANNE 3535 DEZERY ST MONTREAL 4 QUE	B A 2 LA 5 3455
PRYSTASZ RAYMOND ROMAN 8265 DE L EPEE AVE MONTREAL QUE	B ENG EL 3 CR 6 1358
PTACK DEANNA VICKY 2585 GOYER RD MONTREAL QUE	PHYSIOTH 2 RE 3 7637
PTAK DAVID 3945 ST URBAIN ST MONTREAL QUE	B ARCH 2 VI 2 8281
PUCHINGER LASZLO 2995 BEDFORD AVE APT 12A MONTREAL QUE	B SC 2 RE 3 5076
PURCELL WILLIAM BARRY LEO 3851 UNIVERSITY ST MTL 6261 GRANVILLE ST VANCOUVER 13 B C	MD CM 3 VI 4 0977
PURDIE HUGH J 91 BAYVIEW AVE LAKESIDE QUE	PARTIAL
PURDON DEREK HOWARD 6720 SHERBROOKE ST WEST APT 12 MONTREAL QUE	B A 3 HU 8 0903
PURRE RAIN 4921 BARCLAY AVE APT 6 MONTREAL QUE	B ENG CH 5 RE 3 7948
PUSEY JONATHAN ELISHA BRITTAIN HALL CLOVER HILL JAMAICA B W I	B SC AGR 2
PUSKAS IMRE 635 UNDERHILL PL MONTREAL QUE	M SC 1
PUTHENPURACKAL CHAKKO T C 1104 EXTRA POLICE RD CANTONMENT TRIVANDRUM S INDIA	PH D 4
PUTSEP MARA INGEBORG 422 MILTON ST APT 2 MONTREAL 18 QUE	B C L 3 AV 8 6980
PUTTERMAN LAWRENCE 6840 WILDERTON AVE MONTREAL QUE	B ENG CIV 3 RE 1 2107
PYLYSHYN ZANNIE WALTER 6250 9TH AVE MONTREAL 36 QUE	B ENG PHY 5 RA 2 3745

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QUAO HERBERT NEE OSAI 529 PRINCE ARTHUR ST W HOUSE NO D 425 1 BRUCE RD ACCRA GHANA	B ENG CIV 4 VI 2 5550
QUARLES JUDITH A MACDONALD COLLEGE 2295 FLEMING RD MONTREAL 16 QUE	P E DIP 2
QUASTEL DAVID M J 3488 NORTHCLIFFE AVE MONTREAL QUE	MD CM 4 HU 1 3475
QUEVILLON JOSEPH F P 11817 POINCARE ST BORDEAUX MONTREAL QUE	B ENG CIV 5 DU 7 3240
QUILLIAMS ROBERT E MACDONALD COLLEGE FOSTER QUE	2 TCHRS 2
QUIN KARLEEN M 3735 HUTCHISON ST APT 7 MONTREAL QUE	M A 1 AV 8 4530
QUINLAN JOHN B 34 FORDEN CRES WESTMOUNT QUE	B ENG 2 HU 1 4613
QUINLAN WILLIAM 50 OAKLAND AVE MONTREAL QUE	B ENG CIV 4 HU 1 5724
QUINTO EDWARD RAPHAEL 369 VILLERAY ST MONTREAL QUE	B A 3 CR 2 1771
QUISTGAARD CRISTINA STEWART HALL COCA COLA APT 263 PANAMA REP OF PANAMA	B SC H EC 1
QUON CAROLYN ANNE 2163 ST LUKE ST APT 3 MONTREAL QUE	B A 3 WE 2 6605

R

RABINOVITCH ALEXANDER 5797 DEOM AVE MONTREAL 8 QUE	B SC 2 RE 8 1478
RABINOVITCH EDWARD M 8585 MOUNTAIN SIGHTS AVE MONTREAL QUE	PARTIAL RE 1 5832
RABINOVITCH IRVING 1938 BARCLAY AVE MONTREAL QUE	B SC 1 RE 7 8818
RABINOVITCH JACK 4990 WALKLEY AVE APT 6 MONTREAL QUE	PARTIAL HU 4 9586
RABINOVITCH JOSEPH DAVID 17 VILLENEUVE W MONTREAL QUE	B SC 1 VI 9 5534
RABINOVITCH MARVIN 8535 OUTREMONT AVE MONTREAL QUE	B ENG 1 CR 7 7957
RABY JACOB ISRAEL 1066 ST VIATEUR ST W MONTREAL QUE	B A 2 CR 1 7457
RABY JOSEPH Y M 6843 DELANAUDIERE ST MONTREAL QUE	B ARCH 6 CR 6 6363
RAE KENNETH ALEXANDER 1525 ST MARK ST APT 9 21 PARAU ST AUCKLAND S 2 NEW ZEALAND	M A 1 WE 3 1917
RAFF MARTIN CHARLES 622 MURRAY HILL WESTMOUNT QUE	B SC 4 HU 4 4871
RAFMAN SANDRA 320 DUFFERIN RD HAMPSTEAD QUE	B A 1 HU 8 5033
RAFUSE GLENNDUDLEY MACDONALD COLLEGE LAWRENCETOWN ANNAPOLIS CO N S	B SC AGR 3
RAGATZ ROBERT EDWARD 3440 RIDGEWOOD AVE APT 4 527 WENHAM RD PASADENA CALIF U S A	MED DIPL 3 RE 1 2022

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RAGNARSSON GUNNAR 4630 GRAND BLVD APT 5 BUSTADAVEGUR 73 REYKTAVIK ICELAND	PH D 1
RAIMI RASHIDI AYINDE 2045 METCALFE ST MTL 3 ONIKEPO ST LAGOS NIGERIA	B ENG MCH 4 VI 2 0818
RAINFORTH JAMES R BOX 176 MACDONALD COLLEGE QUE	M SC 1
RAJU KOSURV S 3520 LORNE AVE MTL K S RAJU C O K V NARASIMHA RAJU BHIMAVARAM ANDHRAPRADESH INDIA	B ENG 1
RAM ABRAHAM 496 BLOOMFIELD AVE MONTREAL QUE	M A 1 CR 4 8700
RAM JERRY 2825 WILLOWDALE AVE MONTREAL QUE	PARTIAL RE 8 1223
RAM WILLIAM IRVING 2825 WILLOWDALE AVE MONTREAL QUE	B COM 2 RE 8 1223
RAMAN ANNE ELIZABETH 5110 SHERBROOKE ST W APT 15 MONTREAL QUE	PH D 2
RAMANAUSKAS VICTOR M 1947 ST LUC ST APT 5 MTL 101 WATSON AVE OAKVILLE ONT	B SC 1 WE 2 9647
RAMARRISHNAN NAGARAJAN 1441 DRUMMOND ST MTL 19 EAST CORRANE RIVER RD CHINTADRIPET MADRAS INDIA	PH D 1 VI 9 4171
RAMBAUT PAUL CHRISTOPHER 379 OLIVER AVE WSMT BOX 159 WEYBURN SASK	B SC 1 WE 5 3628
RAMM DOROTHY V 456 PINE AVE WEST MTL 1354 SEDGWICK ST CHICAGO 10 ILL U S A	B L S 1 VI 2 4929
RAMON MOLINER ENRIQUE 3801 UNIVERSITY ST MTL 3566 PRUD HOMME ST MONTREAL QUE	PH D 3
RAMSAY GREGOR VAN WYCH 4546 WILSON AVE MONTREAL QUE	B ENG 1 HU 4 9100
RAMSAY ROBERT A 8106 KILDARE RD COTE ST LUC QUE	MD CM 1 HU 4 0758
RAMSEYER JUDITH 456 PINE AVE W APT 37 2 PUTNAM HILL GREENWICH CONN U S A	M SC 2 VI 4 8382
RANASINGHE VERNON V C 419 PRINCE ARTHUR ST W ST ANTHONY S ST JOSEPH S ST MORATUWA CEYLON	B SC 3 VI 5 2013
RAND SHERRILL MARIE 6515 COTE ST LUC RD COTE ST LUC QUE	B A 2 HU 4 0284
RANDAL LINDA KATHLEEN 109 CLAUDE AVE DORVAL QUE	B A 2 ME 1 3729
RANDALL SYLVIA MARGUERITE 2868 HILL PARK CIRCLE MONTREAL 25 QUE	B A 3 WE 5 8070
RANDELL ROBERT L 894 54TH AVE LACHINE QUE	M SC 1 ME 7 2484
RANDOLPH BRENDA ANNE 4960 DORNAL AVE MONTREAL QUE	B A 1 RE 7 1491
RANET RIVET MARC A 2910 MAPLEWOOD AVE MONTREAL QUE	B SC 2 RE 3 6954
RANKIN PAUL B 3325 DECELLES PL APT 204 MONTREAL QUE	D D S 2 RE 7 8919
RANSOME CHARLES WILLIAM 1580 SUMMERHILL AVE APT 4 MONTREAL QUE	B ENG CIV 4 WE 3 0497
RAO CHERUKURI KANAKA D 3660 HUTCHISON ST APT 17 GOPANNAPALEM P O W G DT ANDHRA INDIA	M SC 3 AV 8 7016
RAPHAEL ALOYSIUS FRANCIS 3637 OXENDEN ST APT 10 72 KYAIKASAN RD RANGOON BURMA	B ENG 2
RAPHAEL LLOYD FRANCIS BOX 142 MACDONALD COLLEGE QUE	M A 1
RAPKIN ELAINE BARBARA 5580 MACDONALD AVE HAMPSTEAD QUE	B A 2 HU 8 0632
RAPKIN MICHAEL DAVID 5580 MACDONALD AVE HAMPSTEAD QUE	B ENG COM 5 HU 8 0603
RAPOPORT OLGA 1452 BISHOP ST APT 22A MONTREAL QUE	B SC 3 VI 9 6827
RAPOPORT WESLEY 5583 GLENCREST AVE COTE ST LUC QUE	MD CM 1 HU 6 1459
RASHID SYED AKHTAR 3295 BARCLAY AVE APT 2 MONTREAL QUE	MED DIPL 2 RE 8 4076
RASJIDI NORANIA 258 PINE AVE W MONTREAL QUE	B A 1 VI 4 7561
RASPA ANTHONY 4179 MARCIL AVE MONTREAL 28 QUE	M A 1 HU 4 6508
RATNER JACK T UNIVERSITY HOSPITAL ANN ARBAR MICHIGAN U S A	MED DIPL 4
RATTNER ELLEN GORGIA 3245 LINTON AVE MONTREAL 26 QUE	B A 1 RE 7 6886
RATTRAY JANET I HUDSON HEIGHTS QUE	2 TCHRS
RAU ETHEL B 5650 COTE ST LUC RD APT 21 MONTREAL QUE	B N 1 HU 9 4763
RAUCH SOL 5921 CLARK ST MONTREAL QUE	B ENG 2 CR 4 7648
RAUDSEPP JOHN 2392 MADISON AVE MONTREAL QUE	B ENG CIV 3 HU 1 1716
RAUF MOHAMMED NASEEM 528 PRINCE ARTHUR ST W APT 12 MTL INDIAN EMBASSY BRUSSELS BELGUIM	MD CM 4
RAUF RAHEEMA DOUGLAS HALL C O 200 MACHAREN ST OTTAWA ONT	B ARCH 2
RAVENSDALE HENRY MAURICE 2015 MCGILL COLLEGE AVE 37 SNEATH AVE LONDON N W 11 ENGLAND	B COM 1 WE 5 3907

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RAWAS LILIAN 578 ROSLYN AVE WESTMOUNT QUE	B SC 1 HU 8 5006
RAWS SOL M 856 PLYMOUTH AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 3 6138
RAYCHAUDHURI SUNILKUMAR GEOLOGY DEPT 6 MYSORE RD CALCUTTA 26 INDIA	PH D 4 VI 4 2935
RAYE JEAN STAFFORD ROYAL VICTORIA COLLEGE 21 GENEVA RD MELROSE 76 MASS U S A	B A 2 VI 2 0265
RAYMOND CHARLES WYATT GEOGRAPHICAL BRANCH 74 ELGIN ST OTTAWA ONT	PARTIAL
RAYMOND PIERRE 3940 COTE DES NEIGES RD MONTREAL QUE	B C L 2 WE 2 1786
RAYNAULT PAUL MARCEL A G 6563 LOUIS HEMON ST MONTREAL 36 QUE	B SC 2 RA 7 5515
RAYNER JOHN NORMAN 4525 ST CATHERINE ST W NORTH VIEW TRUNCH ROAD MUNDESLEY NORWICH NORFOLK ENGLAND	M SC 1 WE 5 4501
RAYNER SALLY RUTH ROYAL VICTORIA COLLEGE 39 FELBRIGG AVE TORONTO 12 ONT	B A 4 VI 2 0147
RAYNES HAROLD 2655 GRANBY AVE APT 301 MONTREAL 5 QUE	B D 2 CL 6 3177
RAYSIDE BARBARA JEAN 468 STRATHCONA AVE WESTMOUNT QUE	B A 3 WE 7 2404
RAYUDU GARIMELLA V S 3583 DUROCHER ST MTL GANGALAKURRU VIA AMBAJ PETA AMALAPURAM TO E G DT ANDHRA INDIA	PH D 2 VI 9 0678
READ DALE WELTON 39 CLAXTON BLVD TORONTO 10 ONT	PH D 4
REDDON JOHN 446 BEDARD ST MTL 955 MAITLAND ST LONDON ONT	D D S 2 PO 6 3773
REDFERN JAMES M BRITTAIN HALL 78 PURLEY DOWNS RD PURLEY SURREY ENGLAND	B SC AGR 2
REDMAN HARMAN BARROW WILSON HALL CENTRAL ROMANA LA ROMANA DOMINICAN REP	B ENG 2 VI 4 0624
REDMAN WINSTON ANTHONY WILSON HALL CENTRAL ROMANA LA ROMANA DOMINICAN REP	B SC 1
REDMOND JOHN E P O BOX 172 MACDONALD COLLEGE QUE	B SC 4
REDPATH BRUCE BECKWITH 3785 THE BOULEVARD MONTREAL 6 QUE	B SC 4 HU 6 4366
REDPATH FLORENCE ANNE ROYAL VICTORIA COLLEGE 339 RIVER VIEW DR TORONTO 12 ONT	B SC 4 VI 2 0477
REDPATH MARGARET EDNA 436 STRATHCONA AVE WESTMOUNT QUE	B A 1 WE 2 3309
REDPATH PETER LANGLOIS 527 VICTORIA AVE WESTMOUNT QUE	B SC 2 WE 7 5412
REDPATH THOMAS UNITED CHURCH MANSE CAUGHNAWAGA QUE	B D 2 ME 7 6621
REECE HAROLD EVELYN 3647 UNIVERSITY ST MTL THREE HOUSES ST PHILIP BARBADOS B W I	B ENG EL 4 VI 9 2806
REED HEATHER AMY 4836 GROSVENOR AVE MONTREAL QUE	B A 1 HU 6 6315
REED JOHN G 631 COTE ST ANTOINE RD WESTMOUNT QUE	B ENG 1 HU 4 4778
REED RONALD GUBBON 3660 DUROCHER ST MTL 16002 41ST AVE N E SEATTLE 55 WASH U S A	MD CM 2 AV 8 5933
REEKIE CHARLES I M 14 ST GEORGES ST STE ANNE DE BELLEVUE 29 SPATH RD DIDSBURY MANCHESTER ENGLAND	B SC AGR 2
REES ELIHU PUGSLEY 3530 DUROCHER ST MONTREAL QUE	B SC 4 AV 8 3491
REES PETER WILLIAM WILSON HALL 141 PRINCE GEORGE AVE SOUTHGATE LONDON N 14 ENGLAND	B A 2 VI 4 0624
REEVE CHARLES E 3573 HUTCHISON ST MTL 3201 27 ST VERNON B C	MD CM 1 VI 2 0601
REHAK PETER STEPHEN 690 SHERBROOKE ST W MONTREAL QUE	B A 4 AV 8 2244
REHMAN MUMTAZ H 11853 MICHEL SARRAZIN MONTREAL 9 QUE	M ENG 1 RI 8 9217
REICH HARRIET 729 WILDER AVE MONTREAL QUE	2 SC 2
REICH JUDY IDA 12 GLENMORE RD HAMPSTEAD QUE	B A 1 HU 1 2995
REICH THEODORE 1001 MT ROYAL BLVD MONTREAL QUE	B SC 4 CR 2 3942
REICHSTEIN HYMAN 675 CAVEN CIRCLE VILLE ST LAURENT QUE	B ENG 2 RI 4 6626
REID ALISON M MACDONALD COLLEGE R R 3 HUNTINGDON QUE	B SC H EC 2
REID BERTIE S 1163 CLEMENCEAU AVE VERDUN 19 QUE	B ENG 1 PO 6 2752
REID JEAN A 3225 RIDGEWOOD AVE APT 406 MTL BOX 602 FERGUS ONT	B N 1 RE 8 9920
REID MALCOLM ADDISON 800 49TH AVE LACHINE 539 ROOSEVELT AVE OTTAWA ONT	B A 1 ME 7 2808
REID NANCY J BOX 950 MACDONALD COLL 31 WOLSELEY AVE S MONTREAL WEST QUE	B ED P ED 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
REID RAYMOND ALAIN J 1585 BERNARD AVE OUTREMONT QUE	B COM 4 CR 7 4414
REED STANLEY J MACDONALD COLLEGE R R 3 HUNTINGDON QUE	B SC AGR 3
REID TERENCE J 231 SIERRA VISTA DR TUCSON ARIZONA	B ENG CIV 5
REID YVETTE J 62 POINTE CLAIRE AVE POINTE CLAIRE QUE	B SC H EC 4
REIFFENSTEIN RHODERIC J 423 WESTMINSTER AVE N MONTREAL WEST QUE	B SC 4 HU 1 9840
REILLY HERBERT DAVID 210 CHESTER AVE MONTREAL 16 QUE	B ENG 2 RE 8 3473
REILLY JOHN PATRICK 3360 RIDGEWOOD AVE MTL 11525 76TH AVE EDMONTON ALTA	B ENG MCH 5
REILLY WILLIAM JAMES 3778 WESTMOUNT BLVD WESTMOUNT QUE	B A 3 HU 4 3197
REINBLATT LILLIAN 4520 ROSEDALE AVE MONTREAL QUE	B C L 1 HU 4 1486
REIS MYRNA 792 CHAMPAGNEUR AVE MONTREAL QUE	2 TCHRS CR 2 5020
REISCH ALEXANDER J 11895 FILION ST MONTREAL QUE	B ENG CH 5 RI 4 3104
REJHON EVA OLGA 1525 CLEMENCEAU AVE VERDUN QUE	B SC 4 PO 7 3429
RELLY BRUCE HAMILTON 5225 SHERBROOKE ST W APT 65 MONTREAL QUE	PH D 4 HU 1 8646
RENAUD JOSEPH PAUL GILLES 4080 COOL ST MTL 37 GAMELIN BLVD MONTREAL QUE	B ENG CIV 4 PO 7 2005
RENNERT ERIC 25 HEATH RD HAMPSTEAD QUE	B SC 4 HU 1 7607
RENNERT MICHAEL D 38 CRESSY RD HAMPSTEAD QUE	B SC 3 HU 9 6659
RENTON ROBERT IAN 243A FIRST AVE VILLE LASALLE QUE	B ENG MCH 4 PO 8 9236
RENWICK ROGER DE VEER 419 PRINCE ARTHUR ST MTL ROYAL BANK OF CANADA ST GEORGES GRENADA W I	B COM 1
RESNICK DEBORAH 6042 HUTCHISON ST OUTREMONT QUE	B A 3 CR 9 8662
RESNICK LAZER 6042 HUTCHISON ST OUTREMONT QUE	B SC 4 CR 9 8662
REUSING ANDREW WILSON 100 ROY AVE DORVAL QUE	3 TCHRS ME 1 5894
REYNOLDS DONALD R QUYON QUEBEC	AGR DIP 1
REYNOLDS LINCOLN M BOX 167 MACDONALD COLL 30 CARPENTERS RD HALF WAY TREE JAMAICA T W I	M SC 2
RHODES CRISPIN DAVID 3507 SHUTER ST APT 2 MONTREAL QUE	D D S 1 AV 8 3348
RHODES JUDITH R STEWART HALL 790 50TH AVE LACHINE QUE	2 TCHRS 2
RICCI MARIO MICHAEL R 9968 CLARK ST MONTREAL QUE	B A 1 DU 8 2360
RICHARD MARCEL L 7122 HURTEAU ST MTL 383 TAMARAC ST APT 1 SHAWINIGAN QUE	B ENG CIV 4 PO 8 0603
RICHARDS DAVID WHEELER 2057 MCGILL AVE APT 7 MONTREAL QUE	B ENG MCH 5
RICHARDS MICHAEL LAURENCE 101 PERCIVAL AVE MONTREAL WEST QUE	B A 3 HU 8 5975
RICHARDS TERENCE A 5007 BESSBOROUGH ST MTL 102 BIDWELL ST PULONBURY ONT	M SC 1 HU 1 3161
RICHARDS THOMAS FRANKLIN 1441 DRUMMOND ST MTL 324 ROSS AVE SARNIA ONT	B ARCH 4
RICHARDSON DOROTHY S ROYAL VICTORIA COLLEGE 486 KING ST WEST KINGSTON ONT	B A 3 VI 2 0598
RICHARDSON GEORGE R 10 FORBES ST ST ANNE DE BELLEVUE QUE	B SC AGR 1
RICHARDSON JOHN B 495 PRINCE ARTHUR ST APT 27 MTL 496 KING KINGSTON ONT	MD CM 1 VI 5 7393
RICHARDSON MURIEL E 2305 IROQUOIS RD TOWN OF MT ROYAL QUE	B N 1 RE 7 0389
RICHARDSON PATRICIA M 6101 COTE ST LUC RD APT 409 MONTREAL QUE	PH D 3 HU 8 2292
RICHARDSON WILLIAM N 3455 COTE DE NEIGES RD MONTREAL QUE	B SC 3 WE 5 5567
RICHER SIMON MONTREAL CHILDRENS HOSP 5275 BELLECHASSE ST APT 2 MONTREAL QUE	MED DIPL 2
RICHER STEPHEN IRWIN 4589 HAMPTON AVE MONTREAL QUE	B A 1 HU 6 0962
RICHLER RHODA FAY 4040 LA PELTRIE ST MONTREAL QUE	B A 1 RE 3 6555
RICHMOND HARVEY 5550 CAMPDEN PL MONTREAL QUE	B A 4 RE 7 3106
RICHSTONE ESTA TOBA 4665 CIRCLE RD MONTREAL QUE	B A 3 HU 4 0846
RICKARDS ANTHONY ERIC 25 ST GEORGE ST STE ANNE DE BELLEVUE QUE	M A 1
RIDDELL LORRAINE W ROYAL VICTORIA COLLEGE MONTREAL QUE	B ED 3 VI 2 0526
RIDDELL MITZI JANE 4300 WESTERN AVE WESTMOUNT QUE	B A 2 WE 7 8645

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
RIEFFEL JEAN MARC ALAIN WILSON HALL 882 RUA ALMT ALEXANDRINA RIO DE JANEIRO BRASIL	B ENG EL 4 VI 4 0624
RIEKMAN GEORGE ALLAN 366 SHERBROOKE ST W APT 12 MTL BOX 8 ROSTHERN SASK	D D S 3 VI 4 9810
RIGDON WILSON OLIVER 3660 LORNE CRES MTL 1633 LINDEN AVE OWENSBORO KENTUCKY U S A	MD CM 3
RIGSBY GREGORY URBAN 2048 METCALFE ST MTL 15 KEATE ST SAN FERNANDO TRINIDAD T W I	B A 3 VI 2 0940
RILEY ELKADA STEWART HALL 34 JACKSON RD WINDWARD RD KINGSTON 2 JA TWI	B SC AGR 1
RILEY ERNEST GERALD 145 8TH AVE ST EUSTACHE SUR LE LAC QUE	B ENG COM 5 GR 3 7807
RIMOIN DAVID LAWRENCE 5620 RANDALL AVE COTE ST LUC QUE	M SC 1 HU 1 0870
RINFRET GUY ROBERT 1610 CALEDONIA RD TOWN OF MT ROYAL QUE	B COM 4 RE 7 2705
RINFRET PETER DONALD 1610 CALEDONIA RD TOWN OF MT ROYAL QUE	B ENG CIV 3 RE 7 2705
RING HEDEVIG O 1480 BISHOP ST MONTREAL QUE	M S W 1 VI 9 8981
RIORDON ERIC CARL 39 ARLINGTON AVE WESTMOUNT QUE	B SC 1 WE 7 3317
RIORDON PETER ROBERT WILSON HALL R R 1 DUNHAM QUE	B SC 2
RIOUX ROCH 300 SHERBROOKE ST W MTL 1345 DE CALLIERES QUEBEC CITY QUE	B C L 1 VI 2 0590
RIPLEY BRADLEY L MACDONALD COLLEGE CHIGNECTO CUMB CO N S	B SC AGR 4
RISEBOROUGH BRIAN EDWARD 82 ROUGEMONT ST LONGUEUIL ANNEX QUE	B ENG MCH 3 OR 4 7162
RITCHIE ALEXANDER G H 1150 POIRIER ST VILLE ST LAURENT QUE	B ENG 1 RI 4 3066
RITCHIE ESTELLE 4893 FULTON ST MONTREAL QUE	B A 1 RE 1 5201
RITCHIE DOUGLAS M COTE ST CHARLES RD HUDSON HEIGHTS QUE	B ENG 1
RITCHIE JAMES SERL P O BOX 501 STA B MONTREAL 2 QUE	M C L 1 VI 5 1807
RITCHIE LAWRENCE D 962 MOFFAT AVE VERDUN QUE	B D 1 PO 9 2769
RITCHIE WILLIAM H HUDSON HEIGHTS QUE	B SC AGR 4
RITCHOT CLAUDE 9708 PELOQUIN MONTREAL QUE	M SC 1
RIVARD ROBERT CARL 4705 WEST BROADWAY AVE MONTREAL QUE	B SC 1 HU 1 9613
ROACH MARGOT RUTH 1671 SHERBROOKE ST W MTL 63 ORANGE ST ST JOHN N B	MD CM 4 WE 5 0239
ROACHE KEITH L BOX 2000 MACDONALD COLLEGE CHRISTIANE P O JAMAICA B W I	B SC AGR 4
ROBB JUDITH GRACE 32 FORDEN AVE MONTREAL QUE	B A 2 HU 6 7437
ROBB MARGARET 1420 TOWERS ST APT 318 MONTREAL QUE	M A 1 WE 2 5748
ROBERGE CONSTANCE 2221 HOOD ST MONTREAL QUE	B A 1 LA 1 9244
ROBERGE GUY L 3800 ST ANDRE ST MTL 667 ST GEORGE TROIS RIVIERES QUE	B ENG 1
ROBERGE JACQUES BENOIT P 5565 DUNMORE MTL PHILIPSBURG QUE	B ENG 2 RE 9 1596
ROBERT JOSEPH MAURICE M 2521 ST DONAT ST MONTREAL 5 QUE	B ARCH 2 CL 5 6578
ROBERTS JOHN S 1720 DORCHESTER ST WEST APT 15 MONTREAL QUE	D D S 1 WE 3 4093
ROBERTS KENNETH DAVID 104 COLUMBIA AVE WESTMOUNT QUE	PH D 3 WE 3 2319
ROBERTS RENE 3444 HUTCHISON ST MONTREAL QUE	PH D 4
ROBERTSON DUNCAN CHARLES 3605 MARLOWE AVE MONTREAL QUE	B COM 3 HU 9 3340
ROBERTSON GORDON WALLACE 3508 UNIVERSITY ST MTL COOKSHIRE ST EAST ANGUS QUE	B ENG CH 4 VI 4 0752
ROBERTSON IAN 365 REDFERN AVE WESTMOUNT QUE	B A 1 WE 5 2089
ROBERTSON JAMES COLLETT 4541 OXFORD AVE MONTREAL QUE	B ENG 2 HU 6 2655
ROBERTSON MARGARET JANE 1410 REDPATH CRES MONTREAL QUE	B A 4 VI 2 7049
ROBERTSON MARGARET M 2162 SHERBROOKE ST W APT 19 MTL 508 WESTMINSTER AVE OTTAWA ONT	B SC 3 WE 3 4930
ROBERTSON RACHEL J MACDONALD COLLEGE 1244 ST FOY RD QUEBEC CITY QUE	2 TCHRS 1
ROBERTSON STEWART J MACDONALD COLLEGE R R 3 LACHUTE QUE	AGR DIP 2
ROBERTSON TAUN MAXWELL 32 BRUNET AVE POINTE CLAIRE QUE	B SC 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ROBINS MARJORIE E MACDONALD COLLEGE 270 QUEBEC ST SHERBROOKE QUE	2 TCHRS 1
ROBILLARD JOSEPH J L 8270 LAJEUNESSE ST APT 6 MONTREAL 11 QUE	B ARCH 1 CR 4 2274
ROBINSON ALLAN 6440 DECARIE APT 204 MONTREAL QUE	B ENG 2 RE 3 3744
ROBINSON ALLAN HOBEN 86 THURLON RD MONTREAL 29 QUE	B ENG MCH 3 HU 4 5361
ROBINSON ALLEN TEASDALE 3431 DRUMMOND ST MTL DUDLEY HILL PAGET WEST BERMUDA	B SC 1 VI 9 0243
ROBINSON CARMEN 4897 BORDEN AVE MONTREAL QUE	M SC 2 HU 6 8347
ROBINSON GEOFFREY LYLE DOUGLAS HALL 248 ROSSINI BLVD WINDSOR ONT	B COM 1
ROBINSON ISABEL E MACDONALD COLLEGE 164 MITCHELL ST THETFORD MINES QUE	3 TCHRS
ROBINSON JAMES ALBERT 8305 BAILLARGE APT 12 MONTREAL QUE	B ENG 2
ROBINSON JOHN HENRY WELLS 3508 UNIVERSITY ST MTL BOX 23 RUSSELL ONT	B D 3 VI 5 4873
ROBINSON JOHN JAMES 2066 MANSFIELD ST MTL BEECHGROVE QUE	B ENG MCH 5 VI 2 0853
ROBINSON JUDITH IRENE STEWART HALL 671 BUCHANAN ST VILLE ST LAURENT QUE	B ED 1
ROBINSON MIRIAM PHYLLIS 16 SHORNCLIFFE WESTMOUNT QUE	M A 1 HU 4 6206
ROBOTHAM HENRY ALVEREZ 3437 HUTCHISON ST MONTREAL 2 QUE	B COM 3 VI 4 1343
ROBSON HUGH GISLI 116 CORNWALL AVE TOWN OF MT ROYAL QUE	MD CM 3 RE 7 9090
ROBSON JACK DOUGLAS BRITTAIN HALL 633 SECOND ST S KENORA ONT	B SC P ED 2
ROBT JAANS BOX 55 MACDONALD COLLEGE QUE	B SC AGR 1
ROCH EDWARD ADRIAN E 1922 ST LUKE ST MTL 4 SEYMOUR ST LONDON W 1 ENGLAND	B SC 2
ROCHE CHRISTINE D 3763 THE BOULEVARD WESTMOUNT QUE	M C L 1 HU 1 3345
ROCHESTER BERTRAM L 3459 DRUMMOND ST MONTREAL QUE	B ENG CIV 5 AV 8 0429
ROCHESTER DAINE ROSS 288 GROSVENOR AVE WSTMT 529 RICHMOND RD OTTAWA ONT	B COM 4
ROCKINGHAM JOHN ROBERT M 366 KITCHENER AVE WESTMOUNT QUE	B ENG CIV 3 WE 7 3803

NAME ADDRESS	COURSE & YEAR TEL. NO.
RODEN BARRY JAMES 845 51ST AVE LACHINE QUE	B ENG 2 ME 7 1019
RODGER DAVID SEYMOUR WILSON HALL P O BOX 1350 COWANSVILLE QUE	B SC 3 VI 4 0624
RODGER JANE A MACDONALD COLLEGE 992 SECOND AVE VALD OR QUE	3 TCHRS
RODGERS CHRISTOPHER F S MACDONALD COLLEGE DEVON HOLWOOOD PK AV FARN KENT ENGLAND	AGR DIP 1
RODRIGUES ALBERT EDWARD 3552 SHUTER ST ST PAUL S HOSP ANNEX CAUSE WAY BAY HONGKONG	B SC 1 VI 2 0612
RODRIGUEZ GEORGE HAROLD 3241 FOREST HILL APT 41 3250 RIDGEWOOD AVE MONTREAL QUE	B ENG 2 RE 3 9126 RE 9 1549
RODRIGUEZ ROBERT PERCY 3241 FOREST HILL APT 41 WARDENS QUARTERS COUVA TRINIDAD B W I	D D S 3
ROE CHARLOTTE FRANCES ROYAL VICTORIA COLLEGE 44A MONTEE STE MARIE STE ANNE DE BELLEVUE QUE	B SC 4 VI 2 0477
ROESSLER STEVEN ROBERT 1499 BISHOP ST APT 9 MONTREAL QUE	B ENG COM 5 VI 5 1542
ROGERS ALFRED ALLISON 731 ROCKLAND AVE OUTREMONT QUE	PARTIAL CR 2 4904
ROGERS ALFRED HAROLD D 731 ROCKLAND AVE OUTREMONT QUE	B A 1 CR 2 4904
ROGERS DAVID HANDLEY 3473 UNIVERSITY ST MTL BOX 57 HEMMINGFORD QUE	B D 2
ROGERS GORDON HARTT 2019 STANLEY ST MTL 322 MAPLE AVE PEMBROKE ONT	B COM 2
ROGERS JANET LOUISE MCLENNAN HALL 2A GRAFTON ST CHARLOTTETOWN P E I	PHYSIOTH 3 VI 2 0044
ROGERS JOHN FRANCIS 2140 PRUD HOMME AVE MONTREAL QUE	B ENG CH 5 HU 6 9917
ROGERS LAWRENCE D 210 CARLYLE AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 8 3681
ROGERS ROBERTA ANN MURIEL 210 CARLYLE AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 3681
ROGERS THOMAS ARTHUR 39 THURLOW RD HAMPSTEAD QUE	B A 3 HU 4 0206
ROGG FAY RUTH 5020 ST KEVIN AVE MONTREAL QUE	B A 1 RE 7 4345
ROGG WILLIAM 5020 ST KEVIN AVE MONTREAL QUE	B C L 2 RE 7 4345
ROITER HOWARD 5670 DUROCHER AVE OUTREMONT QUE	B A 3 CR 6 2328

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ROLAND JOHN MURRAY M 38 MELBOURNE AVE TOWN OF MT ROYAL QUE	B ENG CH 4 RE 3 6851
ROLAND NANCY ELIZABETH 38 MELBOURNE AVE TOWN OF MT ROYAL QUE	B A 3 RE 3 6851
ROLF PETER 12006 LAVIGNE ST MONTREAL 9 QUE	B ENG 2 RI 4 3376
ROLFE FREDERIC F N 6304 CHAMBORD ST MTL ST PHILIPPE R R 1 ARGENTEUIL CO QUE	B ENG PHY 4 CR 2 2523
ROLLAND PAULE 4174 OXFORD AVE MONTREAL QUE	PARTIAL HU 1 9276
ROMANOWSKI EVA MARIE 2287 OLD ORCHARD AVE APT 7 MONTREAL QUE	B A 2 HU 9 4761
ROMANOWSKI JACEK IGNACY 4302 CARLTON AVE MONTREAL QUE	B A 4 RE 3 5591
ROMEGIALLI ANGELA JOYCE ROYAL VICTORIA COLLEGE R R 1 BROCKVILLE ONT	B A 3 VI 2 0334
ROMERIL PAUL ERIC A C O INST OF ISLAMIC STUD 4464 13TH AVE VANCOUVER B C	M A 2
RONDOS ANGELO A 8026 CHAMPAGNEUR AVE MONTREAL QUE	B ENG MCH 3 CR 1 0949
RONNING HARMON N 3563 DUROCHER ST APT 10 C O DEPT OF EXT AFFAIRS OTTAWA ONT	B ENG 1
ROOD SUZANNE L MACDONALD COLLEGE 382 44TH AVE LACHINE QUE	B ED 2
ROOK BEVERLY JOAN 3261 FOREST HILL AVE APT 11 MONTREAL QUE	PARTIAL RE 7 6189
ROONEY MARGARET AGNES MCLENNAN HALL 1007 MANAWAGONISH RD LANCASTER N B	PHYSIOTH 3 VI 2 0044
ROPELESKI EDWARD H 2660 DE ROVEN APT 1 MONTREAL QUE	PARTIAL LA 3 1273
ROPER AUDREY MARGARET 394 ROSLYN AVE WESTMOUNT QUE	B A 4 WE 7 1230
ROSALES ROMULO A 649 MILTON ST MTL 3A AVE NOR OESTE 907 MANAGUA NICARAGUA C A	PARTIAL AV 8 5313
ROSE MARGARET A 38 BRUNET AVE POINTE CLAIRE QUE	2 TCHRS 2
ROSEMAN FRANK 5125 MARIETTE AVE MTL 1725 ORRINGTON AVE EVANSTON ILLINOIS U S A	M A 3 HU 9 5116
ROSEMAN THEODORE G 4785 MAPLEWOOD AVE MONTREAL QUE	B SC 1 RE 8 7831
ROSEN CARL 6325 SOMERLED AVE APT 102 MONTREAL QUE	B C L 2 HU 9 4653
ROSEN JACK SAUL 732 DAVAAR AVE OUTREMONT QUE	B SC 3 CR 1 9380

NAME ADDRESS	COURSE & YEAR TEL. NO.
ROSEN KAY RUTH 8608 BIRNAM ST MONTREAL QUE	B A 2 CR 6 4883
ROSENBAUM BARBARA JOAN 60 ABERDEEN AVE WESTMOUNT QUE	B A 3 HU 1 9023
ROSENBAUM TERRY MICHAEL 60 ABERDEEN AVE WESTMOUNT QUE	B SC 1 HU 1 9023
ROSENBERG GEORGE I A 2372 WILSON AVE APT 29 MONTREAL QUE	B C L 2 HU 6 8852
ROSENBERG IRENE 5140 GRAND BLVD MONTREAL QUE	3 TCHRS HU 8 8101
ROSENBERG ISABETH SUSAN ROYAL VICTORIA COLLEGE 15 DEEPDALE DR GREAT NECK NEW YORK U S A	B A 1
ROSENBERG PHYLLIS DOREEN 46 PERRAULT ST STE ANNE DE BELLEVUE 3782 GREY AVE MONTREAL QUE	3 TCHRS
ROSENBERGER JOHN WEAVER 3660 LORNE CRES MTL 20200 NORTH PARK BLVD SHAKER HEIGHTS OHIO U S A	MD CM 3 AV 8 3074
ROSENBLOOM GOLDIE M 3930 LINTON AVE APT 6 MONTREAL QUE	3 TCHRS RE 1 6176
ROSENBLOOM HELEN 369 BLOOMFIELD AVE OUTREMONT QUE	PARTIAL CR 9 5767
ROSENBLOOM MARVIN VICTOR 369 BLOOMFIELD AVE OUTREMONT QUE	B SC 1 CR 9 5767
ROSENFELD ROBERT JOSEPH 5422 MONTCLAIR AVE MONTREAL QUE	B SC 4 HU 4 2341
ROSENFELD ZEEV 5140 RANDALL AVE APT 12 MONTREAL QUE	M SC 2 HU 1 8320
ROSENGARTEN SHARON 5604 ROBINSON AVE MONTREAL 29 QUE	B A 4 HU 6 4656
ROSENOFF STEVE 4604 HAMPTON AVE MONTREAL QUE	B A 2 HU 6 9468
ROSENSTEIN IRVING 5227 GRENIER AVE MONTREAL QUE	B ENG 2 HU 8 7705
ROSENSTEIN LORNA 6089 WILDERTON AVE MONTREAL QUE	B A 2 RE 7 3953
ROSENSTEIN MARK MENDEL 5003 LACOMBE AVE MONTREAL QUE	B A 3 RE 8 1606
ROSENSTEIN MERVYN NORMAN 4690 BOUCHETTE MONTREAL QUE	B A 3 RE 7 7434
ROSENSWEIG SIDNEY 2767 BRINTON RD MONTREAL QUE	B COM 2 RE 7 2495
ROSENTHAL BERNICE 3025 LINTON AVE MONTREAL QUE	3 TCHRS RE 7 9884
ROSENTHAL DANNY EARL 5569 KING EDWARD AVE MONTREAL QUE	B ENG 1 HU 8 2866

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ROSENTHAL EVA S ROYAL VICTORIA HOSPITAL WOMENS PAVILLION NURSES RESIDENCE MONTREAL 2 QUE	B N 1
ROSEVEAR MARY ELEANOR 1520 MCGREGOR ST MONTREAL QUE	B A 3
ROSKIES DOREEN JUDI 571 GROSVENOR AVE WESTMOUNT QUE	B SC 1 HU 4 4428
ROSKIES ETHEL 5880 DOLBEAU ST MONTREAL 26 QUE	M A 2 RE 3 9836
ROSKIES RALPH ZVI 571 GROSVENOR AVE WESTMOUNT QUE	B SC 2 HU 4 4428
ROSMAN BRYNA 6492 MCLYNN AVE MONTREAL QUE	B A 4 RE 8 7347
ROSMAN MICHAEL ALEXANDER 3851 UNIVERSITY ST MTL 680 ISLAND PARK DR OTTAWA ONT	B SC 3 VI 4 0977
ROSMAN NORMAN PAUL 428 SHERBROOKE ST W APT 25 MTL 680 ISLAND PARK DR OTTAWA ONT	MD CM 4 AV 8 6466
ROSMARIN LEONARD AARON 509 OUTREMONT AVE MONTREAL QUE	B A 4 CR 2 8306
ROSNER DIONISE D J 5987 HUTCHISON MONTREAL QUE	B ENG 1 CR 4 9076
ROSS ALAN DAVISON 657 LANSDOWNE AVE MONTREAL QUE	B ENG CIV 3 HU 6 0807
ROSS COLIN M D 3999 MONTROSE AVE WESTMOUNT QUE	H S D DIP WE 2 9856
ROSS DIANA D 2120 ST JOSEPH ST LACHINE QUE	B ED 3 ME 7 3835
ROSS DONALD A 467 MT STEPHEN AVE WSTMT 104 COULSTON AVE ASBESTOS QUE	B COM 2 WE 2 5459
ROSS JANET M 1260 REDPATH CRES MTL 14 LYNWOOD AVE TORONTO ONT	B N 1
ROSS MERILYN NICHOLS 544 GROSVENOR AVE MONTREAL QUE	PHYSIOTH 4 WE 7 1277
ROSS PAUL 5609 RANDALL AVE COTE ST LUC QUE	B A 2 HU 1 1336
ROSS RANDALL J 533 PRINCE ARTHUR W APT 1 MTL 680 CRAGMONT AVE BERKELEY 8 CALIF U S A	MD CM 1
ROSS SAUL 6955 WILDERTON AVE APT 14 MONTREAL QUE	H S D DIP RE 8 8066
ROSS SEYMOUR M 5781 RAND AVE COTE ST LUC QUE	B ENG 1 HU 8 4607
ROSS SHELDON MACDONALD COLLEGE 140 BLENHEIM DR ROCKCLIFFE PARK OTTAWA	B SC H EC 4
ROSSBERG MORTON 5002 LA PELTRIE AVE MONTREAL QUE	B ARCH 1 RE 3 6281
ROSSETTI JOAN 5045 MACDONALD AVE MONTREAL QUE	PHYSIOTH 4 HU 9 5985
ROSSMAN HOWARD SAMUEL 3483 PEEL ST MTL 273 PAULISON AVE PASSAIC N J U S A	B ENG CH 3 VI 2 0882
ROSSNER JOHN LESLIE 3473 UNIVERSITY ST MTL 16 WALNUT ST DEDHAM MASS U S A	S T M 1
ROSS SMITH DENSON GEORGE 610 MITCHELL AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 0681
ROSS SMITH JEAN M P 687 RIENDEAU BLVD NOTRE DAME SACRE COEUR QUE	B ED 3 OR 6 3186
ROTH CHARLES 2515 VAN HORNE AVE APT 8 MONTREAL QUE	B SC 2 RE 3 4821
ROTHER JAMES 4393 HARVARD AVE MONTREAL 28 QUE	B A 1 HU 6 3160
ROTHMAN ARTHUR 4808 MADISON AVE MONTREAL QUE	B SC 4 HU 1 3464
ROTHMAN JACOB LAWRENCE 6434 CLANRANALD AVE MONTREAL QUE	B C L 2 RE 8 7090
ROTHMAN RENEE ARLENE ROYAL VICTORIA COLLEGE 10 ROSEMOUNT AVE APT 203 MONTREAL QUE	B A 4 VI 2 0598
ROTSSTEIN AARON 7835 DE L EPEE AVE MONTREAL QUE	B SC 3 -R 6 9641
ROUTLEDGE THOMAS C 1610 DUCHARME AVE OUTREMONT QUE	B ENG 2 CR 7 0194
ROUTTENBERG ARYEH SAMUEL 3506 UNIVERSITY ST MTL 54 BROADWAY ROCKVILLE CENTRE N Y USA	B A 2 VI 4 0624
ROVIRA FRANCISCO 548 PRINCE ARTHUR ST W CALLE 13 NO 251 VISTA ALEGRE SANTIAGO DE CUBA CUBA	B ENG 1 VI 2 0877
ROWE ARCHIBALD M MENS RESIDENCE MACDONALD COLLEGE QUE	H S D DIP
ROWE KERRY CHRISTOPHER 22 TUNSTALL AVE SENNEVILLE QUE	B SC AGR 2
ROY CHANDANA 5556 ROSEDALE AVE COTE ST LUC QUE	B SC 4 HU 1 2924
ROY CHARLES AUGUSTE 3562 HUTCHISON ST MTL 121 OBLATE ST MONT JOLI QUE	B ENG EL 3 AV 8 0055
ROY CHITRA 5556 ROSEDALE AVE COTE ST LUC QUE	M SC 2 HU 1 2924
ROY JOHN MINTY 70 LAGACE AVE STRATHMORE QUE	B ENG CH 3 ME 1 8147
ROY JOSEPH E A W R 62 DE GALAIS ST MONTREAL 9 QUE	B ARCH 1 MU 1 5330
ROY REYNOLD G CASA BELLA HOTEL SHERBROOK MTL 34 RUE METELLUS PETION VILLE HAITI	B ENG 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ROYLE JULIAN ADAM C DOUGLAS HALL 2300 SUNLIFE BLDG MONTREAL 2 QUE	B SC 1 VI 4 0977 RI 4 2593
ROYSTON PHILIP S R 18 RICHELIEU PL MTL 10 ESERTON PL LONDON S W 3 ENGLAND	B COMM 1 AV R 2800
ROYTMANS PAULA 7037 BIRNAM ST MONTREAL QUE	B A 1 CR 4 3456
ROZA GEORGE 6 RUSSELL TOWN OF MT ROYAL QUE	B SC 2 RE R 3655
ROZEN MARCEL 5135 PARK AVE APT 9 MONTREAL QUE	B ENG CH 4 CR 4 4725
ROZYCKI SOPHIE TERESA 3501 LORNE AVE APT 9 MTL 21 EASSON AVE TORONTO 3 ONT	D D S 2
RUBIN FRANK 69 SPRINGGROVE CRES MONTREAL QUE	B COM 1 CR 6 6731
RUBIN GERALD MARK 988 PRATT MONTREAL QUE	B C L 3 RE 7 0233
RUBIN JOSEPH WILLIAM 5406 GROVEHILL PL MTL 131 TRUDEAU BLVD BEAUHARNOIS QUE	B SC 2 HU 6 2095
RUBIN PHYLLIS N 69 SPRINGROVE CRES OUTREMONT QUE	M S W 1 CR 6 6731
RUBINGER MORTON 5692 CLANRANALD AVE MONTREAL QUE	B ARCH 6 RE 3 7980
RUCKER LEON 4884 HUTCHISON ST MONTREAL QUE	B ENG CH 5 CR 7 4600
RUDA GORDON HARVEY 5727 A ESPLANADE AVE MONTREAL QUE	B A 1 CR 6 3839
RUDY FRANCIS LORNA 790 BLOOMFIELD AVE OUTREMONT QUE	B SC 1 CR 7 7597
RUDY GERALD 790 BLOOMFIELD AVE OUTREMONT QUE	B SC 2 CR 7 7597
RUET JEAN L SIEGAS MADA CO N B	B SC AGR 3
RUFFO JOHN JOS 9110 DIRVAL AVE MONTREAL QUE	B COM 4 DU 9 1159
RUMANEK JAY 1905 ST GERMAIN BLVD VILLE ST LAURENT QUE	B A 4 RI 7 7273
RUMSCHEIDT FRITZ D 108 ASHGROVE AVE APT 11 LAKESIDE QUE	PH D 3
RUMSCHEIDT HANS M 34 GOLF AVE POINTE CLAIRE QUE	B D 1
RUNGE CARL F DOUGLAS HALL 1533 BAKER AVE SCHENECTADY N Y U S A	MD CM 1
RUNGE EDWARD PAUL 50 SELKIRK AVE HUDSON QUE	B COM 2
RUNGE LORNE ARTHUR 50 SELKIRK AVE HUDSON QUE	B SC 2
RUSHBROOK JAMES SIDNEY 5360 WALKLEY AVE MONTREAL QUE	B ENG MCH 3 HU 1 2894
RUSK THOMAS N 429 PRINCE ARTHUR W APT 17 MONTREAL QUE	MD CM 1
RUSNAK WIRA OLESSIA 3546 ST ZOTIQUE ST E MONTREAL 36 QUE	B A 1 RA 2 3759
RUSS MALCOLM JOSEPH 128 STRATHCONA DR TOWN OF MT ROYAL QUE	B ENG PHY 5 RE 3 4181
RUSSEL COLIN STEVENS 4845 WESTMOUNT AVE WESTMOUNT QUE	B ENG 2 HU 6 4247
RUSSELL JUDITH LATHAM 176 STRATHCONA DR TOWN OF MT ROYAL QUE	B A 1 RE 3 3282
RUSSELL PAUL LEWIS 3610 HUTCHISON ST MONTREAL QUE	MD CM 3 VI 5 6376
RUSSELL WRIOTHESLEY D 2054 CLAREMONT MONTREAL QUE	B ENG 1
RUTENBERG DAVID SOLOMON 4576 DRAPER AVE MONTREAL QUE	B ENG MCH 4 HU 1 6074
RUTHERFORD JANET GLYNNE 4322 MONTROSE AVE WESTMOUNT QUE	B A 3
RUTHERFORD PETER JOHN 7465 OUTREMONT AVE MONTREAL QUE	B A 1 CR 1 9518
RUTTER NATHANIEL W 467 MT STEPHEN AVE MTL 42 SUMMER ST FRAMINGHAM MASS U S A	PARTIAL WE 7 7943
RYAN FRANCIS DONALD MACDONALD COLLEGE 970 MEADOWBROOK DR SYRACUSE 10 N Y U S A	D D S 4
RYAN FRANCIS PAUL DOUGLAS HALL R CHURCH ST CHATEAUGAY N Y U S A	MD CM 2
RYANT JOSEPH CHARLES 3735 CARLTON ST APT 1 MONTREAL QUE	M A 1 RE 7 0771
RYERSON PETER D 4555 GRAND BLVD APT 11 MONTREAL QUE	B ENG 1 HU 1 1742
RYKLES LILLIAN 2177 GOYER ST MONTREAL QUE	PHYSIOTH 2 RE 3 7398
RYLANDER JOHN DONALD 397 MERCILLE AVE ST LAMBERT QUE	B SC 2 OR 1 8332

S

SABA ALBERT HADDAD 3241 FOREST HILL APT 41 5229 RIVERTON AVE NORTH HOLLYWOOD CALIF U S A	D D S 3 RE 3 9126
SABEW HUGH S BRITTAIN HALL P O BOX 650 KAMPALA UGANDA EAST AFRICA	B SC AGR 1
SABIA MAUREEN J ROYAL VICTORIA COLLEGE 29 EDGEDALE RD ST CATHARINES ONT	B A 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SABOURIN JEAN P BRITTAIN HALL 18 MARENGEN ST POINTE GATINEAU QUE	B SC AGR 1
SACHS MORTON 4895 KENT AVE MONTREAL QUE	B COM 2 RE 8 7619
SADEEK MAJEED MACDONALD COLLEGE PREYSAL VILLAGE COUVA TRINIDAD W I	B SC AGR 2
SADLER BRENDA 6 COLLEGE ST APT 2 STE ANNE DE BELLEVUE 5525 PARKVIEW CRES COTE ST LUC QUE	3 TCHRS
SADLER SALLY ANN 900 SHERBROOKE ST W APT 43 MONTREAL QUE	B SC 1 VI 9 6897
SAFDIE GABRIEL 1940 CLINTON AVE MONTREAL QUE	B COM 1 RE 3 8932
SAFDIE MORRIS 1940 CLINTON AVE MONTREAL QUE	B ARCH 4 RE 3 8932
SAGAR RICHARD BRIAN 539 PINE AVE W MONTREAL QUE	M SC 1
SAGER ROSS BEDFORD MACDONALD COLLEGE R R 1 ST GEORGES ONT	B SC AGR 3
SAIBIL MYRNA 1201 ST VIATEUR AVE OUTREMONT QUE	B A 2 CR 1 2086
SALAMAT ALI HAROON 1001 SHERBROOKE ST W MTL BARRACKPORE TRINIDAD T W I	B SC 4 VI 4 2122
SALAMIS CONSTANTINE 3548 JEANNE MANCE ST MONTREAL 18 QUE	B ENG 1 AV 8 7587
SALAMIS MARIKA 3548 JEANNE MANCE ST MONTREAL 18 QUE	B A 3 AV 8 7587
SALEH ALFRED ABDULLAH 3325 VAN HORNE AVE APT 12 MONTREAL QUE	B ENG CH 4 RE 7 4974
SALEH GEORGE ALBERT 420 COTE DE LIESSE RD TOWN OF MT ROYAL QUE	D D S 2 RE 3 1937
SALGADO ISIDRO DIEZ 3746 JEANNE MANCE MONTREAL QUE	MED DIPL 2 VI 9 7603
SALHANY CAROL ANN ROYAL VICTORIA COLLEGE 346 CUMBERLAND ST CORNWALL ONT	B A 1
SALHANY JOANNE F 1800 LAIRD BLVD TOWN OF MT ROYAL QUE	B A 1 RE 8 3023
SALISBURY ERICA MARY 3654 DRUMMOND ST MONTREAL QUE	PHYSIOTH 1
SALISBURY SONIA ROSAMOND 3638 LORNE CRES MONTREAL QUE	MD CM 4 VI 2 6062
SALKUCK VIRGINIA GALE 3455 STANLEY ST MTL 715 NOYES ST UTICA N Y U S A	MD CM 1
SALMOIRAGHI GIAN C 4855 WALKLEY AVE APT 8 MONTREAL QUE	PH D 4 HU 9 1128
SALOMON ALLAN 4851 COTE ST LUC RD APT 210 MONTREAL QUE	B COM 3 HU 4 2432
SALOMON MYRABEL 4855 JEAN BRILLANT MONTREAL QUE	B A 2 RE 7 2359
SALTER JOYCELYN A G 1601 GRAHAM BLVD APT 2 MONTREAL 16 QUE	2 TCHRS 1 RE 8 8939
SALTER NANCY JEAN 2985 GOYER ST APT 8 MTL 74 CARLING AVE OTTAWA ONTARIO	M S W 2
SALZBERGER MARGARET 4640 CLANRANALD AVE MONTREAL QUE	B A 1 HU 1 9121
SAMAD SYED ABDUS 3609 UNIVERSITY ST MONTREAL QUE	PH D 2 AV 8 6307
SAMANEZ FERNANDO INST OF LIVING HARTFORD CONN U S A COLMENA DERECHA 530 OFICINA 207 LIMA PERU	MED DIPL 4
SAMAROO WINSTON RANDOLPH 4648 ORLEANS ST MTL 12A GORDON ST SAN FERNANDO TRINIDAD B W I	B ENG COM 5 CL 9 9546
SAMEKTO UMIE L 3459 DRUMMOND ST MTL TANAH TINGGI TIMUR K 2 JAKARTA	B N 1 VI 4 0653
SAMSON JACQUES E 234 10TH AVE RICHELIEU QUEBEC 4 BENLEIGH DR SCARBOROUGH ONT	B ENG 1
SAMUEL FRANK W WILSON HALL 218 PEMBROKE ST PORT OF SPAIN TRINIDAD T W I	B COM 2
SAMUELS ELLIOT MARK 5849 TRANS ISLAND AVE MONTREAL 29 QUE	B A 2 RE 7 1392
SAMUELS ERIC R BOX 181 MACDONALD COLLEGE QUE	M SC 1
SAMUELS EVELYN 921 HARTLAND AVE OUTREMONT QUE	B A 1 RE 7 0733
SAND MARCEL 4832 JEAN BRILLANT ST MONTREAL 26 QUE	B ENG 2 RE 3 9176
SANDER STINN 1465 POIRIER ST APT 10 VILLE ST LAURENT QUE	B ENG 1 RI 7 3718
SANDER KAI 4860 ROSEDALE AVE MONTREAL 29 QUE	B SC 3 HU 6 9173
SANDER ROY 3466 SHUTER ST MTL 3345 RESERVOIR OVAL W NEW YORK 67 N Y U S A	B SC 1 VI 9 5537
SANDERS STEPHEN 5765 PALMER AVE TOWN OF COTE ST LUC QUE	B SC 1 HU 8 2722
SANDERSON GEORGE STEPHEN 2308 REGENT AVE MONTREAL QUE	M A 1 HU 4 7089
SANDERSON MARY JANE ROYAL VICTORIA COLLEGE 4 EDGEHILL RD TORONTO 18 ONT	B SC 2 VI 2 0133

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SANDIFORD JUDITH 2276 ROCKLAND RD TOWN OF MT ROYAL QUE	B A 1 RE 7 1244
SANDLER HELENA 1921 BARCLAY AVE MONTREAL QUE	MUS B 2 RE 3 0277
SANDLER MELVYN 450 HARRIS ST MONTREAL 9 QUE	B SC 2 RI 4 5060
SANFORD GEORGE B R 419 ST MICHEL ST ST JOHNS QUE	PARTIAL
SANFORD HAROLD R BRITTAIN HALL CLEMENTSVALE ANNA CO NOVA SCOTIA	B SC AGR 3
SANG HARRY 4433 ST DOMINIQUE ST MONTREAL QUE	B ENG 2 VI 4 9676
SANGSTER DONALD FREDERICK 5815 SOMERLED AVE MONTREAL QUE	M SC 1 HU 9 2026
SANGSTER JAMES MALCOLM 3506 UNIVERSITY ST MTL 222 BELVEDERE ST N SHERBROOKE QUE	B SC 4 VI 4 0624
SANGSTER JANE ELIZABETH ROYAL VICTORIA COLLEGE ROUTE 1 BOX 63 BOYDS MARYLAND U S A	B SC 2 VI 2 0113
SANGSTER JANET M MACDONALD COLLEGE 222 BELVEDERE ST N SHERBROOKE QUE	P E DIP 1
SANKEY DEBORAH S 768 SHERBROOKE ST W APT 17 MONTREAL QUE	B A 2
SANKEY JOHN DOUGLAS DOUGLAS HALL 46 SOUTH DRIVE ST CATHARINES ONT	B ENG PHY 3 VI 4 6968
SANKOFF GARY SEYMOUR 5752 WILDERTON AVE MONTREAL QUE	D D S 2 RE 7 5458
SANTANA DOMINIC ANTHONY 3310 MAPLEWOOD AVE APT 17 MTL 678 QUEEN ST W SAULT STE MARIE ONT	D D S 4
SANTERRE JACQUELIN P O BOX 365 STE ANNE DE LA POCATIERE KAMOURASKA QUE	M SC 2
SARFI GEORGE 3474 DE BULLION ST MONTREAL QUE	B SC 3 AV 8 9911
SARGENT CAROL C MACDONALD COLLEGE 165 HEBERT ST VILLE ST LAURENT QUE	2 TCHRS 1
SARKAR SUSANTA KUMAR 3661 LORNE CRES MONTREAL QUE	M SC 1 AV 8 8713
SARRASIN ROBERT 47 DANTE ST MONTREAL QUE	B SC 4 CR 1 6125
SARRASIN WILLIAM MACDONALD COLLEGE MASSAWIPPI QUE	AGR DIP 1
SAUNDERS IVAN GLEN 1441 DRUMMOND ST MTL BRYSON QUE	B ENG EL 3
SAUNDERS JEANNE M 495 PRINCE ARTHUR ST APT 3 MTL JESMOND DENE 139 WENLOCK RD SHREWSBURY ENGLAND	M A 1 VI 5 9398
SAUNDERS RODERICK DAVID 6325 SOMERLED AVE MONTREAL 29 QUE	B ENG 2 HU 8 4237
SAUVE BERNARD THOMAS 641 LOGAN ST ST LAMBERT QUE	B ENG CIV 4 OR 1 7533
SAVAGE DIANA EILEEN 4309 MONTROSE AVE WESTMOUNT QUE	B A 1 WE 3 6428
SAVAGE JANET CASSILS 657 MURRAY HILL WESTMOUNT QUE	B A 2 HU 1 1572
SAVAGE JANET H MACDONALD COLLEGE 298 QUEBEC ST SHERBROOKE QUE	2 TCHRS 1
SAVAGE STUART BLACKTON 258 SHERBROOKE ST W MTL MCCONNELL AVE BAYPORT N Y USA	B ENG MCH 4 VI 9 7104
SAVARD PAUL M 5611 PHILLIPS MONTREAL QUE	B COM 1 RE 8 4842
SAVETT MARSHALL LEONARD 4255 DUPUIS AVE APT 18 MTL 6 FERRIS AVE UTICA N Y U S A	D D S 3 RE 8 9919
SAVIDANT SIDNEY JAMES 3508 UNIVERSITY ST MTL 29 MAISONNEUVE ST LA TUQUE QUE	B ENG MET 4 VI 4 0752
SAVOY GARY J P O BOX 517 DALHOUSIE N B	B ENG MCH 3
SAWCHUK RAYMOND LEONARD S 4460 BREWSTER PL LACHINE 319 COLUMBUS AVE OTTAWA ONT	B ENG EL 4 ME 7 2651
SAWYER ELIZABETH A 363 GREEN ST ST LAMBERT QUE	3 TCHRS
SAWYER JUDITH E STEWART HALL 3 CRAIK RD TORONTO 18 ONT	B ED P ED 1
SAXE BRIAN MITCHELL 5228 BYRON AVE MONTREAL QUE	B SC 3 HU 1 9570
SAXE CLAIRE 950 DUNLOP AVE OUTREMONT QUE	PARTIAL RE 8 6479
SAUOUN PETER 7500 ST CATHERINE ST W RM 378 MONTREAL QUE	B ENG 1 WE 7 7427
SAZANT LARRY S 5718 MCMURRAY AVE COTE ST LUC QUE	B A 1 HU 8 7718
SCARVELIS E BASIL 490 GRAHAM BLVD TOWN OF MT ROYAL QUE	B ENG MCH 4 RE 9 0480
SCHABTACH GRETCHEN ROYAL VICTORIA COLLEGE 1186 LOWELL RD SCHENECTADY 8 N Y USA	B SC 3 VI 2 0265
SCHACHTER KATHLEEN 4601 MICHEL BIBAUD ST MONTREAL QUE	B A 4 RE 7 7319
SCHACHTER RHODA 39 MONTEE STE MARIE STE ANNE DE BELLEVUE 5827 HUTCHISON ST MONTREAL QUE	3 TCHRS
SCHACTMAN MORRIE 49 MCNIDER OUTREMONT QUE	B COM 1 CR 9 8273

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SCHADE GUNTER 1685 DESMARCHAIS MONTREAL QUE	B SC AGR 2 PO 9 0315
SCHAFFELER PETER MICHAEL 3851 UNIVERSITY ST MTL 45 PRINCE ST DRUMMONDVILLE QUE	B COM 3 VI 5 5998
SCHAFFER ROBERT 6175 WILDERTON CR MONTREAL QUE	PH D 2 RE 7 5400
SCHAFFER SHIRLEY 1081 ST VIATEUR ST MONTREAL QUE	B A 3 CR 1 3739
SCHANFIELD FRANCES 4330 LA PELTRIE MONTREAL QUE	B A 3 RE 3 3452
SCHANFIELD LILLIAN 4330 LA PELTRIE MONTREAL QUE	B A 1 RE 3 3452
SCHAPIRA FRANK VICTOR 1120 LAJOIE AVE APT 6 OUTREMONT QUE	B COM 2 CR 1 5172
SCHARFE PATRICIA ANN STEWART HALL 620 VICTORIA AVE WESTMOUNT QUE	B SC H EC 4
SCHEAR WILLIAM 8450 OUTREMONT AVE MONTREAL QUE	B SC 4 CR 2 2624
SCHECTER ESTELLE ESTHER ROYAL VICTORIA COLLEGE 39 MARK AVE APT 9 EASTVIEW ONT	B A 4 VI 2 0526
SCHECTER SUZANNE 3800 DUPUIS AVE MONTREAL 26 QUE	3 TCHRS RE 3 0476
SCHERTENLEIB FRANCIS S 811 DAVAAR APT 10 MONTREAL QUE	B ENG 2 CR 6 4791
SCHERZER MARTIN HUGH 4840 RUE JEAN BRILLANT MONTREAL QUE	B SC 3 RE 8 6416
SCHIECK ROBERT ROSWELL 13 WOODELM DR ST CATHARINES ONT	PH D 6
SCHIFF BERNARD BARUCH 8557 MAYRAND ST MONTREAL QUE	B SC 3 RE 1 4569
SCHIFF DAVID 8557 MAYRAND ST MONTREAL QUE	MD CM 2 RE 1 4569
SCHIFF JERRY 5761 MCALEAR AVE MONTREAL QUE	B ENG 2 HU 9 2777
SCHIFF LOUIS 8584 MAYRAND ST MONTREAL 16 QUE	B C L 3 RE 1 5249
SCHINDLER JOHN NORMAN 598 GROSVENOR AVE WESTMOUNT QUE	B SC 3 HU 6 5178
SCHLAER BARBARA 4833 VICTORIA AVE MONTREAL 29 QUE	B A 2 HU 6 1490
SCHLESINGER SUSAN NAOMI 4948 ISABELLA AVE MONTREAL QUE	B A 2 RE 1 5288
SCHLIEPER HEINRICH CONRAD 528 PRINCE ARTHUR W MONTREAL 18 QUE	M A 1 VI 4 6884
SCHLUDERMANN BRIGETTE 156 MONTERREY PTE CLAIRE 41 KINGSWAY WINNIPEG 9 MAN	B A 3
SCHMIEDT CIRILL 3528 LORNE AVE MONTREAL QUE	M SC 2
SCHNAIBERG ALLAN 6735 WILDERTON AVE MONTREAL 26 QUE	B SC 3 RE 1 4512
SCHNAPP OSCAR 4856 ST URBAIN MONTREAL QUE	B A 1 CR 9 5002
SCHNARCH LIBBY 39 MONTEE STE MARIE STE ANNE DE BELLEVUE 2137 COLLEGE ST VILLE ST LAURENT QUE	3 TCHRS
SCHNEIDER BERNARD K 5301 KING EDWARD AVE MONTREAL QUE	B A 1 HU 6 1747
SCHNEIDER HENRY 212 ST JOSEPH BLVD W MONTREAL QUE	PH D 3 CR 2 4783
SCHNEIDERMAN ZELDA L M 10 ROXBOROUGH AVE WESTMOUNT QUE	PARTIAL HU 8 7948
SCHNELLER STEPHEN GEORGE 3200 GOYER ST APT 27 MONTREAL QUE	B ENG MCH 3 RE 1 6963
SCHOENAUER NORBERT 3410 HINGSTON AVE APT 44 MONTREAL QUE	M ARCH 2 HU 8 6611
SCHOLTZ DANIAL JACOBOS 5698 SOMERLED AVE MONTREAL QUE	B ENG CIV 4 HU 9 1784
SCHONBRUN ROBERT GARY 1189 CRESCENT ST MTL 325 MAIN ST ROCKY HILL CONNECTICUT U S A	D D S 2
SCHREIER ROMANA MARIA 5207 VICTORIA AVE APT 14 MONTREAL QUE	B A 1 RE 8 0594
SCHULICH SEYMOUR 4501 DECARIE BLVD APT 6 MONTREAL 28 QUE	B SC 2 HU 1 3951
SCHURMAN DAVID JOHN 71 CLOVERDALE AVE DORVAL QUE	B ENG 2 ME 1 3949
SCHWARTZ ARTHUR MARK 5025 BORDEN AVE MONTREAL 29 QUE	B A 2 HU 1 9640
SCHWARTZ CARMI 4817 HUTCHISON ST MONTREAL QUE	M S W 2 CR 7 6988
SCHWARTZ DAVID M 4507 KENSINGTON AVE MONTREAL QUE	B SC 1 HU 6 6242
SCHWARTZ DINA ANTHONY ROYAL VICTORIA COLLEGE 2348 RIVER RD JACKSONVILLE 7 FLORIDA	B A 1
SCHWARTZ EDITH S 637 QUERBES AVE MONTREAL 8 QUE	PHYSIOTH 1 CR 7 5312
SCHWARTZ FAY MYRNA 3109 BRIGHTON AVE MONTREAL QUE	B A 1 RE 3 3057
SCHWARTZ FRED SAUL 814 OUTREMONT AVE OUTREMONT QUE	B SC 2 CR 2 0212
SCHWARTZ HYMAN LIPPE 637 QUERBES AVE MONTREAL 8 QUE	B A 3 CR 7 5312
SCHWARTZ LIONEL 6300 LENNOX AVE MONTREAL QUE	B A 3 RE 8 1957

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SCHWARTZ MAXINE PHYLISS 5011 GROSVENOR AVE MONTREAL QUE	B A 2 RE 8 7823
SCHWARTZ SARAH JANE ROYAL VICTORIA COLLEGE 30 DOWNER ST BALDWINSVILLE N Y USA	B A 4 VI 2 0847
SCHWARTZ WILLIAM D 4855 MELROSE AVE MONTREAL QUE	B SC 1 HU 4 6677
SCHWARTZMAN HELAINE 4572 MICHEL BIBAUD ST MONTREAL QUE	B A 3 RE 1 5612
SCHWEITZER AGNES EVA 1537 SUMMERHILL AVE APT 103 MONTREAL QUE	MD CM 4 WE 2 8236
SCHWEITZER ARTHUR CLARE 5280 MARIETTE AVE MONTREAL 29 QUE	B A 4 HU 6 0952
SCHWEITZER PAUL ROBERT 1537 SUMMERHILL AVE APT 103 MONTREAL QUE	M A 2 WE 2 8236
SCHWENK AUGUST CHRISTIAN 3524 DUROCHER ST APT 3 MONTREAL QUE	MD CM 3 VI 5 9951
SCHWERDTFEGER ROLAND W 3135 LINTON AVE MONTREAL 26 QUE	B ENG 1 RE 8 1652
SCOLER MARCUS 5641 CLANRANALD AVE MONTREAL QUE	B ARCH 3 RE 3 0549
SCOTT DWIGHT G 2104 VENDOME AVE MTL 1884 CHAMPLAIN AVE SHAWINIGAN QUE	B ENG 1 HU 4 1758
SCOTT EDWARD JOHN RANKIN 3429 PEEL ST MTL CULKERTON TETBURY GLOS ENGLAND	B A 3 AV 8 4309
SCOTT ELAINE GAIL 688 GROSVENOR AVE MONTREAL QUE	B A 3 HU 8 7644
SCOTT HOWARD GEORGE 152 APPIN AVE MONTREAL 16 QUE	B ENG EL 4 RE 8 3774
SCOTT IAN F 46 ST PATRICK ST CHATEAUGUAY QUE	B SC AGR 2
SCOTT JOHN GAVIN 3510 MOUNTAIN ST MONTREAL QUE	B ARCH 3 VI 5 3790
SCOTT MALCOLM CAMPBELL 5802 WENTWORTH AVE COTE ST LUC MONTREAL 29 QUE	B ENG 2
SCOTT MARY FREDA 6360 GODFREY AVE MONTREAL 28 QUE	B A 1 HU 4 0387
SCOTT MONICA ADELLE V ROYAL VICTORIA COLLEGE KINGSTON CHURCH VILLAGE ST PHILIP BARBADOS T W I	B SC 2 VI 2 0147
SCOTT REGINALD Y 44 BOURGOGNE FORT CHAMBLY QUE	B ENG CIV 5 FO 2 7007
SCOTT SIMON B DOUGLAS HALL WATTLEFIELD SPEEN NEWBURY BERKS ENGLAND	B A 2 VI 4 0477
SCOTT STEPHEN ALLAN 636 CLARKE AVE WESTMOUNT QUE	B A 2 WE 7 4483
SCOTT VICTOR FITZGERALD 4598 DECARIE BLVD MTL MOUNT HILL PEMBROKE WEST BERMUDA	B SC 4 HU 9 4553
SCOTT WILMA R R STEWART HALL 23 KIRK ST FARNHAM QUE	3 TCHRS
SCRIMGER JAMES C 5460 WALKLEY AVE APT 5 MONTREAL QUE	B SC 1 HU 1 7872
SCULLY PETER DUNSTAN 17 STRATFORD RD HAMPSTEAD QUE	MD CM 2 HU 6 3202
SEADALE EDWARD HARTLEY BOX 8 MACDONALD COLLEGE MAIN ST VINE YARD HAVEN MASS U S A	D D S 3
SEAGRAM CHARLES GEOFFREF 3466 SHUTER ST APT 408 50 ALBERT ST WATERLOO ONT	B A 4 VI 5 9882
SEAGRIM HERBERT JAMES 3581 UNIVERSITY ST MTL 20562 LAKESHORE RD BAIE D URFEE QUE	B ENG 2
SEALE JOANNE MARJORIE 248 PERCIVAL AVE MONTREAL WEST QUE	B COM 2 HU 1 6369
SEALE LEWIS A 3485 MCTAVISH ST MTL 1391 OAK AVE SILLERY QUE	B A 1 VI 9 0141
SEALY DOROTHY ELVERE ROYAL VICTORIA COLLEGE C O T E SEALY GLEANER CO LTD KINGSTON JAMAICA WEST INDIES	B A 3 VI 9 0120
SEARL WILLIAM E MACDONALD COLLEGE 14 SECOND AVE MT LAMBERT SAN JUAN TRINIDAD B W I	B SC AGR 3
SEBASTIEN LESLIE 2425 MAPLEWOOD AVE APT 7 MONTREAL QUE	B ENG MCH 4 RE 8 4152
SECORD BETTY J 151 STRATHEARN AVE N MTL 1502 LORNE AVE SASKATOON SASK	B N 1 HU 4 7008
SEDEROFF SYDNEY B 4002 MAPLEWOOD MONTREAL QUE	B C L 4
SEELY JOHN F 666 BELMONT AVE WESTMOUNT QUE	MD CM 1 HU 4 1604
SEELY PETER T 666 BELMONT AVE WESTMOUNT QUE	B A 1 HU 4 1604
SEEMAN PHILIP 2950 BRIGHTON APT 7 MONTREAL QUE	MD CM 3 RE 3 2482
SEFERS VIESTURS 4571 COOLBROOK AVE MONTREAL QUE	B ENG PHY 3 HU 4 8394
SEGAL ABRAHAM 5147 MONTCLAIR AVE MONTREAL QUE	B C L 3 HU 8 0501
SEGAL BENNY 5159 ST URBAIN ST MONTREAL 14 QUE	PH D 4 CR 7 2974
SEGAL CONSTANCE HELEN 4900 ISABELLE AVE MONTREAL QUE	M S W 2 RE 7 8029

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SEGAL JERRY 4668 DE LA PELTRIE MONTREAL QUE	B ENG EL 3 RE 1 5435
SEGAL LIONEL 6433 MCLYNN AVE MONTREAL QUE	B C L 3 RE 7 0263
SEGAL MARK 6960 SHERBROOKE ST W APT 5 MONTREAL QUE	PH D 2 HU 6 3824
SEGAL MOEY 4869 JEAN BRILLANT ST MONTREAL QUE	B SC 2 RE 7 4880
SEGAL MURRAY 8137 BIRNAM AVE MONTREAL 15 QUE	B SC 1 CR 1 5496
SEGAL NORTON H 4785 BOUCHETTE AVE APT 31 MONTREAL QUE	B A 1
SEGAL PERRY MITCHELL 484 COTE ST CATHERINE RD OUTREMONT QUE	MD CM 4 CR 6 7844
SEGAL REBECCA L 4 CHRISTIE ST STE ANNE DE BELLEVUE 5159 ST URBAIN ST MONTREAL QUE	3 TCHRS
SEGAL REISHA 548 COTE ST CATHERINE RD MONTREAL QUE	B A 4 CR 7 0931
SEGUIN DANIEL A 1695 CAMILLE POQUET APT 3 MONTREAL QUE	PARTIAL DU 7 3155
SEGUIN PIERRE C MACDONALD COLLEGE 1270 MUIR BLVD VILLE ST LAURENT QUE	B SC AGR 1
SEIFERT HARRY 690 SHERBROOKE ST W MTL 328 MORRISON AVE TOWN OF MT ROYAL QUE	B COM 4 VI 2 1958
SEIN THAUNG 3615 UNIVERSITY ST APT 11 MTL C O V WIN KET MEGYAUNGYE MAGIVE DISTRICT BURMA	M SC 2
SEKINE TOMOHIKO 419 PRINCE ARTHUR ST W 1 57 JOGI SUGINAMIKU TOKYO JAPAN	M A 1 VI 5 2013
SELBY DAVID ADRIAN 1785 DEPATIE ST VILLE ST LAURENT QUE	M ENG 2 RI 7 3744
SELIG ROBERTA MACBETH DOCTORS RESIDENCE MONTREAL CHILDRENS HOSP 107 BOTSFORD ST MONCTON N B	M SC 2
SELIGMAN FRED 3345 ELLENDALE AVE MONTREAL QUE	B SC 4 RE 7 8508
SELTZER JACK B 5605 WESTLUKE AVE COTE ST LUC QUE	B ENG 1 HU 8 3903
SEMPLE IAN DE WOLFE 4550 HARVARD AVE MONTREAL QUE	B SC 2 HU 1 6475
SENDUEHLER MICHAEL JOSEPH ALLAN MEMORIAL INST 1310 PINE AVE W MONTREAL QUE	MED DIPL 1
SENEGAL HUBERT A N O 336 REDFERN WESTMOUNT QUE	B C L 1 WE 5 2257

NAME ADDRESS	COURSE & YEAR TEL. NO.
SEPALL OLA KAARLO JOHAN 5255 DUDEMAINE ST APT 10 MONTREAL 9 QUE	PH D 1
SEPINWALL JERRY 5922 WESTBURY AVE MONTREAL 29 QUE	B A 2 RE 7 2788
SERAFIN JULIUS MARTIN 3760 COTE ST CATHERINE MONTREAL QUE	M A 3 RE 3 1058
SERBYN DANNY THEODORE 5117 18TH AVE MONTREAL 36 QUE	B ENG CIV 4 RA 7 7048
SERBYN MYROSLAV ROMAN 6792 36TH AVE MONTREAL 36 QUE	M ENG 2 RA 7 9515
SERBYN ROMAN 6790 36TH AVE MONTREAL 36 QUE	B A 3 RA 7 0563
SEROT AUDREY 21 LEGAULT ST STE ANNE DE BELLEVUE 4616 MACKENZIE ST MONTREAL QUE	3 TCHRS
SERVICE FREDERICK J DOUGLAS HALL 17 SYDENHAM ST THOROLD ONT	MD CM 1
SERVICE WILLIAM IAN 15 47TH AVE LACHINE QUE	B A 2 ME 7 5757
SETO PETER 5397 COTE ST LUC RD MONTREAL QUE	B ENG 1
SETO WING 1244 ST URBAIN ST MTL BOX 471 HUNTSVILLE ONT	B ENG CH 3
SEVIOUR GEORGE RICHARD 495 PRINCE ARTHUR ST APT 6 MTL 106 QUEENS RD ST JOHN S NEWFOUNDLAND	MD CM 2
SEWELL DAVID ST ALBANS 92 CEDAR AVE PTE CLAIRE QUE	B ED 4
SEWELL ETHEL M 1592 PINE AVE W MTL 30 CHARLES ST E APT 36 TORONTO ONT	B SC N 2 WE 3 0779
SEXTON ROBERT FRANKLIN 3280 GOYER ST APT 3 MTL 451 SO ASHLAND AVE LEXINGTON KTY U S A	MD CM 4
SEYBOLD HUGH LAURIE 685 GROSVENOR AVE WESTMOUNT QUE	B ENG 2 HU 1 4271
SHACKET VERNA 18 LEGAULT STE ANNE DE BELLEVUE 4676 VAN HORNE MONTREAL QUE	3 TCHRS
SHACKLETON SANDRA A 4602 WILSON AVE MONTREAL QUE	3 TCHRS HU 4 3319
SHACTER DAVID G 4300 WESTERN AVE APT 611 MONTREAL QUE	PARTIAL WE 3 3190
SHADLEY RICHARD EDWARD 5533 DUPUIS AVE MONTREAL QUE	B COM 4 RE 7 0809
SHADOWITZ LARRY 4195 PLAMANDON AVE APT 8 MONTREAL QUE	B A 3 RE 1 4490
SHADOWITZ MELVIN 4195 PLAMONDON AVE APT 8 MONTREAL QUE	B SC 4 RE 1 4490

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SHAFFER BLOSSOM F 918 PRATT AVE OUTREMONT QUE	3 TCHRS RE 8 1479
SHAFFER FRIMA MONA 918 PRATT AVE OUTREMONT QUE	B A 3 RE 8 1479
SHAFFER GLORIA ANN 2720 SOISSONS AVE MONTREAL QUE	B SC 4 RE 3 2226
SHAH JESSIE AHMAD MACDONALD COLLEGE P O STE ANNE DE BELLEVUE QUE	M SC 2
SHAH SAID AHMAD MACDONALD COLLEGE P O 9 FAIZABAD RD LUCKNOW U P INDIA	PH D 4
SHAIKOVITZ CHARLES S 4041 MARCIL AVE MONTREAL QUE	B SC 1 HU 4 2891
SHAINBLUM FAIGE RUTH 4605 OXFORD AVE MONTREAL QUE	B A 4 HU 8 5655
SHAM SAMUEL CHI CHIU 3517 HUTCHISON ST APT 8 90 ROBINSON RD 1ST FLOOR HONG KONG B C C	B ARCH 3
SHAMY JOYCE ANN 158 LEGAULT ST APT 1 STE ANNE DE BELLEVUE 2702 COTE ST CATHERINE MONTREAL QUE	3 TCHRS
SHANE ZENA FRANCES ROYAL VICTORIA COLLEGE 276 JUBILEE RD HALIFAX N S	B A 4 VI 2 0477
SHANFIELD ISIDORE 7857 BIRNAM ST MONTREAL 15 QUE	B SC 3 CR 6 2946
SHANKS LAURA E 848 NORTH DR WINNIPEG 9 MANITOBA	M A 2
SHAPERA MICHAEL RONALD 5145 COTE ST LUC RD APT 2 MONTREAL QUE	B SC 1 HU 9 1032
SHAPIRO ALEXANDER 4742 MAPLEWOOD AVE MONTREAL QUE	B SC 2 RE 7 9906
SHAPIRO ALVIN HOWARD 2740 DARLINGTON PL MONTREAL QUE	D C L 2 RE 9 0622
SHAPIRO BARRY HOWARD 3733 THE BOULEVARD WESTMOUNT 6 QUE	B A 2 HU 6 7746
SHAPIRO DAVID S 3733 THE BOULEVARD WESTMOUNT 6 QUE	D D S 1 HU 6 7746
SHAPIRO ELVIN SOLLY 3483 PEEL ST MTL 706 LANSDOWNE AVE WINNIPEG 4 MAN	M S W 2 VI 2 0882
SHAPIRO EPHRAIM HAROLD 6285 DEACON RD MONTREAL QUE	B COM 2 RE 3 3740
SHAPIRO MARLENE 4670 DUPUIS AVE APT 5 MONTREAL QUE	B A 4 RE 9 1847
SHAPIRO TOBA ESTHER 5524 RANDALL COTE ST LUC QUE	B SC 1 HU 6 1651
SHAPIRO VIVIAN RAPOPORT 1662 COLLEGE VILLE ST LAURENT QUE	B A 1 RI 8 8049
SHAPOSNICK PHILIP 4915 PRINCE OF WALES AVE MONTREAL QUE	B C L 4 HU 6 9351
SHAPOSNICK THELMA 46 PERREAULT AVE STE ANNE DE BELLEVUE 4915 PRINCE OF WALES AVE MONTREAL QUE	3 TCHRS
SHARE NATHAN NORMAN 2159 GIROUARD AVE MONTREAL QUE	M SC 1 HU 8 8494
SHARMA KAPIL DEV 460 PRINCE ARTHUR ST V GHAGON RORAN WALI P O GARSHANKAR DISTT HOSHIAR PUR PANJAB INDIA	PH D 3 VI 4 3567
SHARP BRIAN STANWAY 729 UPPER LANSDOWNE AVE MONTREAL QUE	B COM 2 HU 4 4882
SHARP LAWRENCE WILMOT 10 ADAM ST STE ANNE DE BELLEVUE ORANGE BAY P O JAMAICA	B SC AGR 2
SHARPE LOUIS R 2137A BLEURY ST MONTREAL QUE	PARTIAL
SHARPE PATRICIA LOUISE 3783 GREY AVE MONTREAL QUE	B A 4 HU 6 6232
SHASHOUA SASSOON 5951 DOLBEAU ST MONTREAL QUE	B COM 4 RE 7 8259
SHATNER FARLA 8 BRIARDALE RD HAMPSTEAD QUE	B A 1 HU 4 6885
SHATTNER RHODA MARGARET 730 MCEACHRAN AVE OUTREMONT 8 QUE	B SC 1
SHATZ RICHARD MARK 310 DUFFERIN RD HAMPSTEAD QUE	B SC 4 HU 1 9475
SHAW CHARLES TIMOTHY 2029 METCALFE ST APT 8 C O C J SHAW ODENDAALSRUS ORANGE FREE STATE SOUTH AFRICA	M SC 2 VI 9 8270
SHAW ELIZABETH ANNE 2039 MCGILL COLLEGE AVE APT 24 MTL LANDISVILLE PA U S A	M SC 1 AV 8 4624
SHAW GILLIAN ELSPETH ROYAL VICTORIA COLLEGE CASILLA 2439 SANTIAGO CHILE	B SC 1
SHAW JOHN FREDERICK 3360 RIDGEWOOD AVE APT 9 MONTREAL QUE	B SC 4 RE 1 4076
SHAW MARGARET ANNE ROYAL VICTORIA COLLEGE 1050 GRAHAM BLVD TOWN OF MT ROYAL QUE	B A 2 VI 2 0634
SHAW RALPH WILLIAM MACDONALD COLLEGE LAWRENCETOWN ANNA CO N S	B SC AGR 4
SHAW SYLVIA ANNE 18 HUDSON AVE APT 3 TOWN OF MT ROYAL QUE	B COM 4 RE 3 2361
SHEA JAMES M 545 PINE AVE MTL 99 LODGE ST MANCHESTER NEW HAMPSHIRE USA	MD CM 2
SHEA ROBERT ALAN 998 CHERRIER AVE ILE BIZARD QUE	B A 4 VI 5 2738

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SHEEHAN DENNIS 1456 CHOMEDEY ST MTL BLIND RIVER ONT	B SC 1 WE 5 7084
SHEFF GERALD 957 DUNLOP AVE OUTREMONT QUE	B ARCH 1 RE 9 2065
SHEIDOW NORMAN W MACDONALD COLLEGE CHERRY VALLEY P E I	B SC AGR 3
SHEINER GERALD 5947 DECELLES AVE APT 10 MONTREAL QUE	B C L 2 RE 3 9463
SHEINMAN ELEANOR 5250 GRENIER AVE MONTREAL QUE	B A 1 HU 1 9632
SHEITOYAN ELISE V 6704 CHRISTOPHE COLOMB MONTREAL 10 QUE	B C L 1 CR 1 1026
SHELDON DUNCAN BAKER 3482 MCTAVISH ST MTL 1620 OAK GROVE AVE SAN MARINO CALIF U S A	B SC 2
SMELLARD ALBERT E W 3800 DUPUIS AVE APT 28 MONTREAL 26 QUE	B ENG 1 RE 3 3584
SHEN JOE YUET P O BOX 382 STN B MTL 34 GILLIES AVE 5TH FLOOR REAR PORTION KOWLOON HONG KONG	B ENG EL 4
SHENFIELD ALEXANDER D 5216 SARANAC AVE MONTREAL 26 QUE	B ENG 1 HU 8 8214
SHEPPARD ADRIAN 4727 FULTON AVE APT 2 MONTREAL QUE	B ARCH 6 RE 3 8377
SHEPPARD CLAUDE AOMAND 1800 ST LOUIS ST APT 1 VILLE ST LAURENT QUE	M C L 4
SHEPPARD MARILYN LAURA STEWART HALL BOX 307 CORNER BROOK NFLD	B SC H EC 4
SHEPER LORETTA 4060 MADISON AVE MONTREAL QUE	B A 2 HU 1 5782
SHER MELVIN 5454 WAVERLEY MONTREAL QUE	B ENG EL 4 CR 1 7035
SHERIDAN BRIAN GEORGE 51 CHESTERFIELD AVE WESTMOUNT QUE	B ENG EL 4 HU 6 6888
SHERMAN BRENDA F 3105 VAN HORNE AVE MONTREAL QUE	B A 1 RE 8 3330
SHERMAN GERALDINE P ROYAL VICTORIA COLLEGE 205 ELIZABETH DR CHATHAM ONT	B SC N 1 VI 2 0571
SHERMAN SANDRA 3196 KENT AVE MONTREAL QUE	B A 1 RE 8 7879
SHETLER KAYE JAMES G 7441 DE CHAMBOIS ST MONTREAL QUE	B C L 1 RE 7 5416
SHETLER LEONARD R BRITTIAN HALL 4342 HAMPTON AVE MONTREAL QUE	P E DIP 1
SHETLER WINNIFRED J 7441 DECHAMBOIS ST TOWN OF MT ROYAL QUE	PHYSIOTH 1 RE 7 5416
SHEVELL MELVYN 6875 FIELDING AVE APT 27 MONTREAL 29 QUE	D D S 4 HU 8 2897
SHIACH ALLAN G DOUGLAS HALL ARDGILZEAN ELGIN MORAY SCOTLAND	B A 2
SHIAU EDWIN LIANG YING 456 PINE AVE W APT A MTL 22 BONHAM STRAND W HONG KONG	B SC 4 VI 9 7268
SHIFF RONA LEE 3 BELOEIL AVE OUTREMONT QUE	B SC 1 RE 8 3735
SHIFF THEODORE 3 BELOEIL AVE OUTREMONT QUE	B SC 3 RE 8 3735
SHILINGOVSKY SARAH KEILA 5431 TRANS ISLAND MONTREAL QUE	PHYSIOTH 1 HU 1 4754
SHILLER BARRY MORTON 28 SHORNCLIFFE AVE WESTMOUNT QUE	B A 3 HU 1 7955
SHILLER BRYANT MARVIN 167 PAGNUELO AVE OUTREMONT QUE	B ENG EL 3 CR 2 9725
SHILLER CAROLE RONA 28 SHORNCLIFFE AVE WESTMOUNT QUE	B A 2 HU 1 7955
SHILLER ENID P 3395 ELLENDALE AVE APT 8 MONTREAL QUE	B L S 1 RE 7 4374
SHILOV MARIAN 4950 WALKLEY AVE MONTREAL QUE	B A 2 HU 8 0177
SHINDLER KENNETH C 5125 RANDALL AVE APT 7 MONTREAL 29 QUE	H S D DIP HU 8 5315
SHINKODA NORIKO 35 FIRST AVE VILLE LASALLE QUE	H S D DIP PO 8 3102
SHINOFF RHODA GAIL STEWART HALL 84 BANNERMAN AVE WINNIPEG 4 MAN	P E DIP 2
SHIRLAW MICHAEL RIVERS 55 ROYWOOD TERRACE LEMOYNE 23 QUE	B ENG CIV 4 OR 1 4691
SHIRRAY NANCY L 1462 DUNKIRK RD TOWN OF MT ROYAL QUE	B A 1 RE 3 0384
SHIZGAL HARRY MORRIS 5753 MCALEAR AVE COTE ST LUC QUE	B SC 4 HU 8 5025
SHIZGAL MORTIMER DAVID 4720 LACOMBE AVE MONTREAL QUE	B SC 3 RE 8 5937
SHLIEN DAVID JOSEPH 5130 BOURRET AVE APT 9 MONTREAL QUE	B ENG MCH 3 RE 8 7226
SHOALES ROBERT WALTER 548 SHERBROOKE ST W MTL 7 MILLER ST NORWICH N Y USA	B SC 3 VI 5 0551
SHOHAM GILBERT LOUIS 3395 ELLENDALE AVE MONTREAL QUE	M A 2 RE 3 6072
SHOOFEY FRANKLIN D 822 LAGAUCHETIER ST E MONTREAL QUE	B A 2 VI 5 9594
SHORE BEN 3212 KENT AVE MONTREAL QUE	B SC 2 RE 7 2824
SHORT BERNARD 3440 SHUTER ST APT 29 MONTREAL QUE	M ENG 2 AV 8 1940

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SHORT JUDITH M 23 HAMPTON GARDENS LAKESIDE QUE	B ED P ED 1
SHORTLAND FREDERICK E 4883 MELROSE AVE MONTREAL 28 QUE HU 1 2039	M SC 1
SHOUB LOUIS 2755 BRINTON RD MONTREAL QUE RE 3 8533	B ENG EL 3
SHOWER VIVIAN LEE ROYAL VICTORIA COLLEGE 150 WILLIAM ST BOX 273 COWANSVILLE QUE	B SC 1
SHPIKULA NORMAN ALEXANDER 548 PRINCE ARTHUR ST MTL 68 EVANS AVE TORONTO 9 ONT	D D S 3
SHPIRO EDWARD JACOB 5972 MCSHANE AVE MONTREAL 26 QUE RE 3 0632	B ENG 2
SHRIMPTON HOWARD T 285 EMPIRE AVE GREENFIELD PARK QUE OR 1 1549	B ENG CIV 3
SHRON HERSHEY BERNARD 2150 JOHNSON ST VILLE ST LAURENT QUE RI 4 0760	B A 3
SHTERN ISRAEL HIRSH 220 FAIRMOUNT ST W APT 12 MONTREAL QUE CR 4 0321	PH D 3
SHTERN SIDNEY 5336 JEANNE MANCE ST MONTREAL QUE CR 9 8349	B SC 3
SHTULL EDWARD A 782 OUTREMONT AVE MONTREAL QUE CR 2 8471	B SC 2
SHUFELT DAVID WEBB MACDONALD COLLEGE EAST FARNHAM QUE	B SC AGR 2
SHULMAN BARBARA SUSAN ROYAL VICTORIA COLLEGE 50 DARWOOD PL MT VERNON N Y USA VI 2 0147	B SC 4
SHULMAN DENISE D ROYAL VICTORIA COLLEGE 307 BRIDGE ST EAST BELLEVILLE ONT	PHYSIOTH 1
SHULMAN SORYL R 19 GARDEN CITY STE ANNE DE BELLEVUE 746 MCEACHRAN AVE MONTREAL QUE	P E DIP 2
SHUSTER ANNA 342 ALEXIS NIHON MONTREAL QUE RI 7 9149	3 TCHRS
SHUSTER DAVID NORMAN 3525 GIROUARD AVE MONTREAL QUE HU 1 1403	B SC 2
SHUSTER FREMA H 6785 MOUNTAIN SIGHTS AVE MONTREAL QUE RE 8 1272	3 TCHRS
SHUSTER HARVEY JACK 3609 UNIVERSITY ST MTL 391 RUPERTSLAND AVE WINNIPEG MAN AV 8 6307	D D S 2
SHUSTER SOLOMON AURUM 925 DAVAAR AVE OUTREMONT QUE CR 7 4436	B A 1
SHYKOFSKY ARNOLD D 2834 WILLOWDALE AVE MONTREAL QUE RE 7 2103	B ARCH 6
SIDAWAY ELIZABETH ANNE STEWART HALL C O CROSSE BLACKWELL LTD PETERHEAD ABERDEENSHIRE SCOTLAND	B A 4

NAME ADDRESS	COURSE & YEAR TEL. NO.
SIEGEL HOWARD BARRY 5282 CAVENDISH BLVD MONTREAL QUE HU 8 3473	B SC 1
SIEGLE ELIZABETH MARGARET 3620 DUROCHER ST MONTREAL QUE AV 8 4678	B SC 3
SIERADZKI WERNER 372 FAIRMOUNT AVE MONTREAL QUE CR 4 9127	B ARCH 2
SIEVWRIGHT ERIC COLVILLE 426 RUSSELL HILL RD TORONTO ONT	PH D 4
SIGMAN GERALD 4828 MELROSE AVE MONTREAL QUE HU 6 6813	MD CM 1
SIGMAN HARVEY H 4828 MELROSE AVE MONTREAL QUE HU 6 6813	MED DIPL 1
SIGNER DAVID JOSEPH 6028 PARK AVE APT 12A MONTREAL QUE CR 6 3451	B SC 2
SIGNER MYER WOLFE 4470 DUPUIS AVE APT 10 MONTREAL QUE RE 1 6570	B COM 4
SILHY ENRIQUE 456 PINE AVE W APT 40 3RD AVE NORTE NO 3 SAN SALVADOR EL SALVADOR CENTRO AMERICA	B ARCH 5
SILLANPAA ANNA LIISA M 32 1ST AVE ROXBORO QUE	3 TCHRS
SILON ELIAHU 3495 VAN HORNE AVE APT 4 MONTREAL QUE RE 3 7334	B ENG MCH 4
SILVER CHARLES J 634 SYDENHAM AVE WESTMOUNT QUE HU 6 1916	B SC 1
SILVER DANIEL 1029 BALL AVE MONTREAL QUE CR 4 4888	B SC 3
SILVER EDWARD ALLAN 4836 MELROSE AVE MONTREAL 29 QUE HU 1 6043	B ENG AM 5
SILVER FRANCES CALLA 634 SYDENHAM AVE WESTMOUNT QUE HU 6 1298	B SC 2
SILVER HARVEY D 4727 DORNAL AVE MONTREAL QUE RE 8 0506	B A 1
SILVER JOANNA MAUDE B ROYAL VICTORIA COLLEGE MAIN ST GROTON MASS U S A VI 9 0858	B A 3
SILVER STEPHEN DAVID 5820 MCSHANE MONTREAL 26 QUE RE 7 2960	B COM 2
SILVERBERG SEYMOUR 2740 GOYER ST APT 11 MONTREAL QUE RE 3 7705	B SC 4
SILVERMAN JON DAVID 4695 COTE ST CATHERINE MONTREAL QUE RE 8 7712	B COM 2
SILVERMAN MELVIN 656 DAVAAR AVE OUTREMONT QUE CR 7 8945	B SC 3
SILVERMAN OIZER 5742 MOUNTAIN SIGHTS AVE MONTREAL 29 QUE RE 3 1840	B ENG 2
SILVERSON LYNDA A STEWART HALL BOX 256 BROWNSBURG QUE	2 TCHRS 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SILVERSON RUTH N BOX 900 MACDONALD COLL 186 BROWNSBURG RD LACHUTE QUE	3 TCHRS
SILVERSTONE EUNICE 5161 ST URBAIN ST MONTREAL QUE	3 TCHRS CR 7 7858
SILVERSTONE HERSCHEL W 838 PRATT AVE OUTREMONT QUE	B ENG CIV 5 RE 3 1776
SILVERSTONE JOSEPH 3734 COTE STE CATHERINE APT 11 MONTREAL QUE	B C L 1 RE 3 9067
SILVERSTONE SANDRA A 37 ST GEORGE ST STE ANNE DE BELLEVUE 6462 MCLYNN AVE MONTREAL QUE	3 TCHRS
SILVERTON SANDRA RACHAEL 5137 CLANRANALD AVE MONTREAL QUE	B A 3 HU 8 8581
SIM VICTOR WALLACE 3485 UNIVERSITY ST MTL BOX 1015 STONEY CREEK ONT	PH D 3 VI 2 4649
SIMARD MICHEL JOSEPH 723 DUNLOP AVE MONTREAL QUE	B COM 3 RE 3 2808
SIMCOE LEONARD 3330 BEDFORD RD APT 31 MONTREAL QUE	B C L 3 RE 1 5385
SIMEAO MARIA JOSE 3706 PEEL ST MTL RUA SAMPAIO E PINA 12 2 E LISBOA PORTUGAL	B SC N 2 AV 8 2062
SIMMONS FRED ALBERT 545 PINE AVE W MTL 128 CHESTNUT ST WEST NEWTON MASS U S A	MD CM 2
SIMMONS GLORIA JANET ROYAL VICTORIA COLLEGE NORTH SHORE DEVONSHIRE W BERMUDA	B SC 2 VI 9 0120
SIMMONS RICHMOND D 2015 MCGILL COLLEGE AVE SLIP RD ST GEORGES BERMUDA	B SC 1
SIMMS ADA E 3706 PEEL ST MTL 55 MAIN ST LEWISPORTE NFLD	B SC N 2
SIMMS JEAN T R 420 MT STEPHEN AVE WSTMT 123 WATERFORD BRIDGE RD ST JOHNS NEWFOUNDLAND	M S W 1
SIMON ERIKA JUDITH 4332 EARNSCLIFFE AVE MONTREAL QUE	B A 2 HU 1 0668
SIMON JAMES EDWIN G 855 MARLBORO DR TOWN OF MT ROYAL QUE	M A 2 RE 3 5000
SIMON MORTIMER LEONARD 5622 PHILLIPS AVE MONTREAL 26 QUE	B SC 1 RE 3 0698
SIMON RICHARD ALBERT 410 GREENOCK AVE MONTREAL 16 QUE	B ENG 2 RE 7 4068
SIMON RONALD GEORGE 3070 GRAHAM BLVD TOWN OF MT ROYAL QUE	B COM 1 RE 7 0320
SIMON WILLIAM G 1507 FOCH AVE VERDUN QUE	B A 1 PO 8 5806
SIMON YEHUDIT 1555 MCGREGOR ST MONTREAL QUE	PARTIAL WE 2 1947
SIMONS BARBARA ELIZABETH ROYAL VICTORIA COLLEGE 985 MONT ST DENIS SILLERY QUEBEC CITY 6 QUE	B A 4 VI 2 0526
SIMONS JOHN HERBERT 3851 UNIVERSITY ST MTL 29 LAURIER AVE QUEBEC CITY 4 QUE	B ENG EL 3 VI 5 5998
SIMONS MARILYN O ROYAL VICTORIA COLLEGE HILLTOP POULTRY FARM SOUTHAMPTON EAST BERMUDA	B SC N 1 VI 2 0571
SIMPSON IRVINE GILBERT 5100 PIE IX APT 406 MONTREAL QUE	B ENG MCH 5
SIMPSON JAMES GARY 1559 MCGREGOR ST MTL 26 ROBERTSON PL ST CATHARINES ONT	B ENG CIV 3
SIMPSON JEAN H ROYAL VICTORIA COLLEGE 285 LIGHT ST WOODSTOCK ONT	B A 2 VI 2 0334
SIMPSON JUDITH G 3647 DUROCHER ST MONTREAL QUE	PARTIAL
SIMPSON RONALD GRAHAM 3647 DUROCHER APT 2 MTL 25 20TH AVE SAN FRANCISCO 21 CALIFORNIA U S A	MD CM 2
SIMS DAVID LINDLEY 46 CURZON AVE MONTREAL QUE	B ARCH 5 HU 6 7689
SIMSER RAY G MACDONALD COLLEGE 1422 MOODIE ST FORT WILLIAM ONT	B ED P ED 2
SINCLAIR CAROL C 3345 ELLENDALE AVE APT 10 MONTREAL QUE	B A 4 RE 1 4375
SINCLAIR DIANE LOUISE 3850 DICKENS AVE MONTREAL QUE	B A 2 RA 2 1805
SINCLAIR GERALD MARK 3345 ELLENDALE AVE APT 10 MONTREAL QUE	MD CM 4 RE 1 4375
SINCLAIR HEATHER ANNE 3480 ONTARIO AVE MTL 14 HEATH RD HAMPSTEAD QUE	PHYSIOTH 3 VI 2 0044
SINCLAIR PETER THOMAS 628 MURRAY HILL WESTMOUNT QUE	B ENG 2 HU 4 3801 J9832845
SINDER ALAN ABA 3975 DUPUIS AVE APT 12 MONTREAL QUE	M SC 1 RE 9 0815
SINDHU MOHINDER S 3520 LORNE AVE MTL C O CL HARI SINGH SINDHU SECRETARY DISTRICT BOARD HISSAR PUNJAB INDIA	B ENG MCH 3 VI 5 2525
SINGER MADELEINE CAROL ROYAL VICTORIA COLLEGE 220 MADISON AVE NEW YORK CITY N Y U S A	B A 4 VI 2 0334
SINGER PHILIP NORTON 4106 KENT AVE MONTREAL QUE	B ENG CIV 3 RE 8 2652
SINGER RAYMOND 5921 ESPLANADE AVE MONTREAL QUE	3 TCHRS CR 9 9251
SINGH SANT P 1119 SHERBROOKE ST LACHINE QUE	B C L 1 ME 7 6332

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SINKUNAS JOHN JOSEPH 6738 14TH AVE MONTREAL 36 QUE	B ENG CH 3
SINOOS MOHAMMAD 3637 OXENDEN AVE MONTREAL QUE	B ENG 2 VI 9 0504
SINSON DRUCE ANDRE DOUGLAS HALL PLANTATION EVERTON DOMINICA T W I	B ENG MCH 4
SIPELIS VITOLIS S 940 OSBORNE AVE VERDUN QUE	B ENG CIV 3 PO 7 7559
SITCOFF SHEILA 5335 PARK AVE APT 10 MONTREAL QUE	B A 1 CR 7 8317
SIU KIN SUN DOUGLAS HALL 137 POKFULAM RD HONG KONG	B ENG 1
SKARF BERNARD 4902 FULTON ST MONTREAL QUE	B SC 2
SKARLATORSKA IRENE 1429 STANLEY ST APT 3 MONTREAL 2 QUE	M A 1 AV 8 8742
SKEITH MARY ELIZABETH 3492 PEEL ST MONTREAL QUE	PARTIAL
SKELTON ANNE ELIZABETH 1071 BLEURY ST MTL 349 LAWRENCE RD R R 2 CLOVERDALE B C	M A 1 UN 1 6187
SKELTON RAMA LAWRENCE 13748 NOTRE DAME ST E MONTREAL 5 QUE	B ENG MCH 3 MI 5 0262
SKEPASTS ALEXANDER V BOX 75 MACDONALD COLLEGE QUE	M SC 1
SKILLINGS JAMES WILLIAM 3300 RIDGEWOOD AVE MTL WHITEHALL RD AMESBURY MASS U S A	D D S 3 RE 8 1679
SKIMMING THOMAS 3320 GOYER ST MONTREAL QUE	M SC 1 RE 8 4248
SKINNER DOUGLAS A 49 ST JOHNS RD POINTE CLAIRE QUE	B ENG 1
SKINNER MARGARET MACDONALD COLLEGE 1600 DOMINION AVE SHERBROOKE QUE	2 TCHRS 1
SKINNER TECKLE N MACDONALD COLLEGE 35 AGRA ST ST JAMES TRINIDAD W I	B SC AGR 3
SLATER GEORGE RICHARD 224 BROCK AVE N MTL W 59 HIGH PARK BLVD TORONTO 3 ONT	B D 3 HU 4 4902
SLATER HELAINE R 6 KENT AVE STE ANNE DE BELLEVUE 4867 DORNAL AVE MONTREAL QUE	3 TCHRS
SLATKIN DANIEL NATHAN 4590 HINGSTON AVE MONTREAL QUE	MD CM 4 HU 1 1045
SLATKOFF ROBERT LYON 3097 THE BOULEVARD MONTREAL QUE	B SC 3 WE 7 8356
SLESAR STEPHAN JOSEPH 3270 GOYER ST APT 2 MTL 352 CARLETON ST ST CATHARINES ONT	MD CM 4
SLOAN HARRIET J S 3466 SHUTER ST APT 106 518 ALBERT AVE SASKATOON SASK	B SC N 2 VI 2 6986
SLOAN KENNETH F 4352 ST ANTOINE ST MONTREAL 30 QUE	B ENG EL 4 WE 3 1325
SLOMAN LEON QUEEN MARY VETERANS HOSP QUEEN MARY RD MONTREAL QUE	MED DIPL 8
SLOSARCIK JOHN ANDREW 1636 SANQUINET ST MONTREAL QUE	B ENG MCH 3 AV 8 8708
SMAJOVIC IRWIN 3685 PEEL ST MTL 4217 CARLTON AVE MONTREAL QUE	M SC 1 AV 8 5504
SMALL SHIRLEY A U ROYAL VICTORIA COLLEGE 84 EIGHT ST BARATARIA SAN JUAN TRINIDAD THE WEST INDIES	B A 1
SMALLWOOD WYNNE C 3550 LINTON AVE APT 503 1830 B W GLENDAKS BLVD APT 1 GLENDALE 1 CALIFORNIA U S A	D D S 1 RE 8 2274
SMART SHEILA L MACDONALD COLLEGE SHAWVILLE QUE	2 TCHRS 1
SMEALL DONNA M 67 13TH ST ROXBORO QUE	B SC N 1 MU 4 2475
SMILEY HARRIET 33 ST GEORGE ST STE ANNE DE BELLEVUE 6285 LENNOX AVE MONTREAL QUE	2 TCHRS
SMITH BARBARA C 4360 MAYFAIR AVE MONTREAL QUE	2 TCHRS 1 HU 1 4908
SMITH BARBARA JOAN ROYAL VICTORIA COLLEGE 605 CHESTER AVE TOWN OF MT ROYAL QUE	B SC 4 VI 2 0598
SMITH BRIAN MORRISON 3851 UNIVERSITY ST MTL 44 SEGUNDO RINCON DORADO TORREMOLINOS MALAGA SPAIN	B A 2 VI 4 6968
SMITH BRIAN NELSON 20653 LAKESHORE RD BAIE D URFEE QUE	B COM 3
SMITH BRUCE TAYLOR 2860 DARLINGTON PL MTL FORT COVINGTON N Y USA	MD CM 3 RE 9 2069
SMITH CAROL BREMNER 7 FINCHLEY RD HAMPSTEAD QUE	B COM 3 HU 4 6353
SMITH CELIA E 3285 BARCLAY AVE APT 4 MONTREAL QUE	P E DIP 2 RE 7 8764
SMITH DAVID C 140 SPRINGFIELD AVE GREENFIELD PK QUE	M A 1 OR 1 9835
SMITH DAVID EDGAR 3491 CONNAUGHT AVE MONTREAL QUE	B SC 1 HU 6 8524
SMITH DAVID INGLE 1534 PINE AVE W MTL 3 RIVER AVE LONDON N 8 U K	M SC 2 WE 7 1570
SMITH DAVID ROYCE 4370 KENSINGTON AVE MONTREAL QUE	B SC 3 HU 8 6053

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SMITH DONALD A HUT C 2 MACDONALD COLLEGE POWNAL P E I	B SC AGR 3
SMITH DONOTHAN SHIRLEY 5252 WALKLEY AVE APT 1 MONTREAL QUE	B ENG EL 4 HU 1 6758
SMITH EDGAR NELSON 3464 WALKLEY AVE MONTREAL QUE	B C L 3 HU 6 3122
SMITH ELIZABETH JANET 500 VICTORIA AVE WESTMOUNT QUE	B A 4 HU 4 4463
SMITH ERIC MORTON 3483 PEEL ST MTL 160 QUEBEC ST SHERBROOKE QUE	B A 1 VI 9 3166
SMITH FRANK ASTOR 3625 OXENDEN AVE MTL BROOKLYN RIVER RD ST MICHAEL BARBADOS B W I	B SC 3
SMITH GEOFFREY L 231 WOLSELEY AVE MONTREAL WEST QUE	B ENG 2 HU 4 0559
SMITH GEORGE WILLIAM 6403 BEURLING AVE VERDUN QUE	M A 1 PO 6 6152
SMITH GORDON SCOTT 10 BRAESIDE PL WESTMOUNT QUE	B A 1 WE 3 3142
SMITH GORDON WAINWRIGHT 3504 PARK AVE APT 3 MTL 219 MILLWOOD RD TORONTO ONT	M ENG 1 VI 2 7069
SMITH GRANT KENWOOD 25 45TH AVE LACHINE QUE	PH D 2 ME 7 1643
SMITH HAMISH MACGREGOR 1723 CANORA RD TOWN OF MT ROYAL QUE	B COM 4 RE 8 0227
SMITH IAN E MACDONALD COLLEGE 122 BLVD VALCARTIER LORETTEVILLE QUE	AGR DIP 1
SMITH IRVING HAROLD 571 61ST AVE L ABORD A PLOUFFE QUE	PH D 4
SMITH JANET C STEWART HALL 639 ROSLYN AVE WESTMOUNT QUE	P E DIP 2
SMITH JANICE I STEWART HALL 333 BROADWAY AVE SHAWINIGAN FALLS QUE	P E DIP 2
SMITH JOSEPH ANTONIO V 3564 HUTCHISON ST MTL 33 CONSTANT SPRING RD KINGSTON 10 JAMAICA B W I	B SC 4
SMITH KENNETH J 2 OLDFIELD AVE APT 41 MONTREAL QUE	M A 1
SMITH MARGARET M J 1310 PINE AVE W MTL BOX 52 WINONA ONT	B N 1 VI 4 0334
SMITH PETER HENDERSON 639 ROSLYN AVE WESTMOUNT QUE	B SC 4 HU 1 6208
SMITH ROBERT HUNTER 12450 COUSINEAU ST MONTREAL 9 QUE	B ENG MCH 4 RI 7 1956
SMITH ROBERT L BRITTAIN HALL 633 GEORGE V AVE LACHINE QUE	B ED 2
SMITH RONALD MURRAY 8191 PREVOST BLVD MONTREAL QUE	MED DIPL 4 CL 5 8969
SMITH RUSSELL D MACDONALD COLLEGE BOX 225 SHAWVILLE QUE	B SC AGR 1
SMITH SANDRA GERALD 1227 SHERBROOKE ST W APT 34 MONTREAL QUE	B A 2 VI 9 6633
SMITH STUART DURNFORD 338 METCALFE AVE WESTMOUNT QUE	B ENG 2 WE 3 4535
SMITH STUART L 4561 MELROSE AVE MONTREAL 28 QUE	MD CM 1 HU 6 9398
SMITH SUSAN K 515 CURZON AVE ST LAMBERT QUE	B SC N 1 OR 1 0567
SMITH SYDNEY GEORGE 2066 MANSFIELD ST MTL MITCHELL APTS APT 12 BLDG A PARK ST ST JOHN N B	B ENG MCH 5 VI 2 0853
SMITH THOMAS HOWARD MACDONALD COLLEGE APT C 10 STE ANNE DE BELLEVUE QUE	M SC 1
SMOLLETT FREDERICK L A MACDONALD COLLEGE NEW CARLISLE QUE	2 TCHRS 1
SMOLY JENNIE MARY ROYAL VICTORIA COLLEGE 702 FOURTH AVE VALD OR QUE	B SC 2 VI 9 0858
SMYTH JOSEPH DAVID R 6563 12TH AVE MONTREAL 36 QUE	B ENG 2 RA 7 6037
SMYTH MICHAEL KEVIN 2236 SUNSET RD MTL ORMSTOWN QUE	B C L 2 RE 8 3191
SMYTH PAMELA A 235 LAKESHORE DR DORVAL QUE	HDICRAFTS 1 ME 1 3159
SMYTH PHYLLIS NORMA 25 NELSON ST MONTREAL WEST QUE	B A 4 HU 6 3325
SMYTHE ROBERT MARSHALL 4475 CORONATION AVE MONTREAL QUE	B ENG 2 HU 6 4666
SNAPE FREDERICK R 1441 DRUMMOND ST MTL WESTMEATH COTTAGE PEMBROKE BERMUDA	B A 3 VI 9 4171
SNITZES LILY 7915 BIRNAM AVE MONTREAL 15 QUE	3 TCHRS CR 2 7038
SNOW CHARLES R 12 AURORA AVE POINTE CLAIRE QUE	B SC AGR 1
SNYDER WILLIAM F 3482 MCTAVISH ST MTL 709 DUNBAR RD KITCHENER ONT	B ARCH 1
SO WAI CHEONG 3517 HUTCHISON ST APT 3 114R WATERLOO RD 1ST FL KOWLOON HONG KONG	B ENG AM 3 VI 9 0109
SOBEL OTYLIA 4261 ST CATHERINE ST W MONTREAL QUE	MED DIPL 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SOCHOCKY MATHEW ANDREW 8124 STUART AVE MONTREAL QUE	B ENG MET 5 CR 4 5876
SOCOLOW BARBARA ANN 5592 DUROCHER AVE OUTREMONT QUE	PHYSIOTH 1 CR 4 0929
SODHI HARBHAJAN SINGH 4802 LACOMBE AVE MTL SANWARA BURHAN PUR INDIA	PH D 2 RE 3 1510
SOEDARMADJI TOETI S 3459 DRUMMOND ST MTL 3 5 DJL LANGSAT BLOK D2 KEBAJORAN BARU DJAKARTA INDONESIA	B N 1 VI 4 0653
SOHMER DAVID H 2700 SOISSONS AVE MONTREAL QUE	B COM 1 RE 7 6140
SOIFERMAN GERALD ELLIOT 5608 RAND AVE COTE ST LUC QUE	B ARCH 2 HU 8 6326
SOIFERMAN MERLE 2940 SOISSONS MONTREAL QUE	B A 1 RE 7 0748
SOIFFER PHILIP IRVINE 3098 GOYER AVE APT 1 MONTREAL QUE	B ENG PHY 3 RE 8 1933
SOKOLOFF SHEILA 4910 KENT AVE MONTREAL QUE	B A 1 RE 7 8577
SOKOLOWSKI ISABEL 4235 DECARIE BLVD APT 6 MONTREAL QUE	B SC 2
SOLES JAMES ALBERT 4740 BARCLAY AVE MONTREAL QUE	PH D 4 RE 1 1479
SOLHAUG KJELL 717 UPPER LANSDOWNE MTL ASPELUNDV 12 JAR OSLO NORWAY	D D S 1
SOLOMON EDWARD B 4047 KENT AVE MONTREAL QUE	M A 1 RE 8 1912
SOLOMON EDWARD RUDY 4870 MAPLEWOOD AVE MONTREAL QUE	B ENG EL 4 RE 8 8220
SOLOMON HARRIET R 5016 ROSLYN AVE MONTREAL QUE	B L S 1 RE 8 7761
SOLTENDIECK HERMANN F 787 25TH AVE LACHINE QUE	B ENG MI 4 ME 7 7344
SOLTES EDWARD JOHN 182 FORTIN PONT VIAU MONTREAL 12 QUE	B SC 2 MO 9 5496
SOLWAY DAVID JOSEPH 3420 PEEL ST MTL 95 TOUR DU LAC ST STE AGATHE QUE	B A 1
SOMARSALL MILDRED C M ROYAL VICTORIA COLLEGE HAPPY VALLEY RD DEVONSHIRE BERMUDA	B SC 2 VI 2 0495
SOMARSALL YVONNE DOREEN ROYAL VICTORIA COLLEGE P O BOX 57 HAMILTON BERMUDA	B SC 2 VI 2 0495
SOMERVILLE ANN E MACDONALD COLLEGE BOX 496 RICHMOND QUE	B SC H EC 1
SOMOGYI THOMAS R 5152 DUROCHER AVE MONTREAL QUE	B SC 3 CR 2 1969
SOMORJAI RAJMUND L 3515 SHUTER ST APT 4A MONTREAL QUE	B SC 3
SONE CAROLE H 3430 DRUMMOND ST MTL FARNHAM QUE	PARTIAL VI 2 0789
SONE TOMIYE ANNE 222 JACQUES CARTIER ST FARNHAM QUE	3 TCHRS
SOO FREDDIE WAH 1610 SHERBROOKE ST W APT 15 MTL BOX 1 BRUCE AVE 8TH ST NANAIMO B C	D D S 3 WE 7 1783
SOOFI MAHMOOD A 3495 DECARIE BLVD APT 5 MONTREAL QUE	M A 1 HU 1 9639
SOOFI NUSRAT M 3495 DECARIE BLVD APT 5 MONTREAL QUE	PARTIAL HU 1 9639
SOOMET LILIAN 263 ST CHARLES RD GREENFIELD PARK QUE	B A 2 OR 1 0593
SOOSAAR KETO 110 SHERBROOKE ST BEACONSFIELD QUE	B ENG AM 3
SOPKO JOHN 6575 36TH AVE MONTREAL 36 QUE	B ENG MCH 4 RA 7 5219
SOPKO MICHAEL 6575 36TH AVE MONTREAL 36 QUE	B ENG MET 4 RA 7 5219
SORGER GEORGE JOSEPH 3509A PARK AVE MONTREAL QUE	B SC 4 VI 9 9695
SOSKIN ANTHONY B MACDONALD COLLEGE 21 WEST HEATH RD LONDON ENGLAND	B SC AGR 1
SOUAID NORMAN GEORGE 3429 PEEL ST MTL 905 DU PALAIS ST HYACINTHE QUE	B A 4 VI 2 7385
SOUDEYNS ANDRE RAYMOND 350 EMERY MONTREAL QUE	B ENG PHY 3 VI 5 9952
SOUTH ASTLEY SAMUEL 525 PRINCE ARTHUR W MTL KINGSTON JAMAICA W I	B A 3 VI 4 0017
SOUTHAM PETER YOUNG 3465 SIMPSON MTL 107 DONWOODS DR TORONTO 12 ONT	B SC 3 WE 3 0968
SOUTHERN WILLIAM A DOUGLAS HALL 221 STUART ST SARNIA ONT	B ARCH 1
SOWERS REBECCA DEAN ROYAL VICTORIA COLLEGE 236 HIGMAN PK BENTON HARBOR MICHIGAN U S A	B A 1
SPAT ATTILIO GIORGIO 1486 CHOMEDY ST APT 4 MONTREAL QUE	M SC 2 WE 2 0221
SPECTOR BARBARA ANN 624 CARLETON AVE WESTMOUNT QUE	B A 1 HU 8 3390
SPECTOR CHARLES LOUIS 5230 MUSSET AVE MONTREAL QUE	B A 2 HU 1 3707
SPECTOR LIONEL B BRITTAIN HALL 472 BROOKFIELD AVE TOWN OF MT ROYAL QUE	P E DIP 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SPECTOR REUBEN 4137 MACKENZIE ST MONTREAL QUE	B ENG CIV 3 RE 1 4360
SPECTOR ROSLYN MARLENE 2639 SOISSONS AVE MONTREAL QUE	B SC 3 RE 7 6471
SPENCE DOROTHY 7094 BOYER ST MONTREAL 10 QUE	M L S 2 CR 1 6533
SPENCE ELEANOR J MACDONALD COLLEGE 602 ALGONQUIN AVE MONTREAL 16 QUE	B ED P ED 1
SPENCER JAMES CONWAY 4990 WESTMORE AVE MONTREAL 28 QUE	B A 2 HU 1 9809
SPENCER JOHN HEDLEY 3504 PARK AVE APT 7 MONTREAL QUE	PH D 3 VI 5 7624
SPENCER LORAINE MARGARET ROYAL VICTORIA COLLEGE 604 DRIVEWAY OTTAWA 1 ONT	B A 4 VI 2 0847
SPERBER HARRY 2855 BARCLAY AVE APT 17 MONTREAL QUE	B ENG 2 RE 3 3096
SPERBER SIMON LOUIS 5245 ST DOMINIQUE ST MONTREAL QUE	B ENG 2 CR 2 8371
SPERLICH GERHARD H 5724 MCMURRAY AVE TOWN OF MT ROYAL QUE	B ARCH 1
SPERLING LORNA 51 PERRAULT AVE STE ANNE DE BELLEVUE 5825 MACDONALD AVE MONTREAL QUE	3 TCHRS
SPEVACK ABRAHAM AVRAM 4102 DE BULLION ST MONTREAL QUE	B SC 2 VI 5 3671
SPIEGELMANN BEATRICE B ROYAL VICTORIA HOSPITAL 4975 MAPLEWOOD AVE MONTREAL QUE	B N 1
SPINNER IRVING 4505 ST URBAIN ST MONTREAL 14 QUE	B ENG 2 VI 4 5783
SPINNER NAHUM 4505 ST URBAIN ST MONTREAL 14 QUE	B SC 4 VI 4 5783
SPIRA ALEXANDER 631 EPEE MONTREAL QUE	B SC 2 CR 9 8306
SPOONER GUY A 548 PRINCE ARTHUR ST W RADIO HOTEL KAPUSKASING ONT	B ENG 1 VI 2 0877
SPOTTON JOHN ANSON 3506 UNIVERSITY ST MTL 26 PRINCETON RD TORONTO 18 ONT	B SC 3
SPRIGGS JOHN L 32 OXFORD RD BAIE D URFEE QUE	B ENG 1
SPRING PATRICIA ADA L 3424 A SIMPSON ST MONTREAL QUE	M SC 1 WE 5 2382
SPROULE RAYMOND NELSON 111 EVERGREEN DR BEACONSFIELD QUE	B ENG 2
SPURMANIS JANIS A 8106 ARCADIAN RD COTE ST LUC QUE	B ENG 1 HU 1 4948
SQUIRES JAMES F 510 PINE AVE W MTL 20 MCKENZIE CT HILLSBOROUGH CALIFORNIA U S A	MD CM 1 AV 8 4065
SQUIRES MARY ANNE 25 PERRAULT AVE ST ANNE DE BELLEVUE 263 LOCKHART AVE TOWN OF MT ROYAL QUE	B ED 1
SRICHANDRABHAND LAMOM 1566 PINE AVE W MTL 1609 BANGKOK NOI THORNBURI THAILAND	GR N CERT 2 WE 3 7208
ST AMANT AIME G 1415 PINE AVE W MTL 121 CARDINAL BEGIN EST ROUYN QUE	B ENG CIV 4 AV 8 3387
ST AMOUR MAURICE MASSON QUE	B ENG CIV 5
ST LEWIS VICTOR GILBERT 2430A GOYER ST MONTREAL QUE	B A 3 RE 3 5959
STAHLBERG EDWARD A 565 ARGYLE AVE WESTMOUNT QUE	B ENG 2 WE 3 6396
STAIRS GORDON RANKINE BOX 175 MACDONALD COLL 484 WELLINGTON ST E SAULT STE MARIE ONT	PH D 2
STALLARD FREDERICK R 3508 UNIVERSITY ST MTL THE WARREN HOUSE CROWBOROUGH SUSSEX ENGLAND	B ENG MCH 5 VI 5 4873
STAMMER CHAIM 1254 DUCHARME AVE MONTREAL QUE	PH D 2 CR 4 9735
STAMMER HANS KARL 3105 VAN HORNE AVE APT 14 MONTREAL QUE	B ENG EL 4 RE 9 0422
STAMOS BONNIE 554 ROCKLAND AVE MONTREAL QUE	PHYSIOTH 2 CR 1 2814
STAMPLEMAN ARTHUR H 3766 GREY AVE MONTREAL QUE	M A 1
STANFIELD ELEANOR P MCLENNAN HALL 80 LONGWORTH AVE TRURO N S	PHYSIOTH 3 VI 2 0044
STANGER DAVID P 3478 MCTAVISH ST MTL 4750 NARVAEZ DR VACOUVER B C	D D S 1 VI 2 7912
STANIFORTH DOUGLAS H MACDONALD COLLEGE ARUNDEL QUE	P E DIP 1
STANISLAWSKI MARC 5324 CUMBERLAND AVE MONTREAL QUE	M SC 1 HU 8 2774
STANKOVITS CHARLES I 3512 DUROCHER ST MONTREAL QUE	B ENG EL 4 VI 4 0054
STANLEY JENNIFER M 5225 RANDALL AVE MONTREAL QUE	B A 3 HU 4 0956
STANLEY PAUL DAVID MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 2
STANNARD WILLIAM HUDSON 3445 PEEL ST MTL 2766 OLIVER CRES VANCOUVER B C	B SC 4 VI 5 9462
STANTON RAYMOND CLIFFORD MACDONALD COLLEGE R R 1 MILTON ONT	B SC AGR 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STANWYCK JEAN ALICE 7847 DUROCHER ST APT 7 MONTREAL QUE	B A 2 CR 1 7511
STAPLES GORDON JOSEPH 1581 MCGREGOR ST APT 1 P O BOX 173 CURLING NEWFOUNDLAND	M ENG 1 WE 3 0803
STAROSTA CHARLES 5236 ESPLANADE AVE MONTREAL QUE	B ENG 2 CR 4 4838
STARR LEBA 755 OUTREMONT AVE OUTREMONT QUE	PHYSIOTH 4 CR 9 3576
STATE DE CHANTAL RAYMOND VILLE DE FORT CHAMBLY QUE	B ENG MCH 4 FO 2 3324
STATON GWENDOLYN A P 1505 GUERTIN ST VILLE ST LAURENT QUE	3 TCHRS
STATTNER MAXINE INA 531 ROCKLAND AVE OUTREMONT QUE	B A 3 CR 9 1030
STAVERT WILLIAM EWART 3250 CEDAR AVE WESTMOUNT QUE	B C L 3 WE 2 5930
STECK WARREN FRANKLIN DOUGLAS HALL 2308 ROBINSON ST REGINA SASK	B ENG CH 4
STEED GUY PERCY FREDERICK 14 NORTHCOTE RD MTL WHITE LODGE BRIZAY PARK SINGAPORE	B A 2 HU 6 6093
STEELE DONALD HAROLD 3587 UNIVERSITY ST MTL 142 DUCHESS AVE LONDON ONT	PH D 4
STEELE WILLIAM G BRITTAIN HALL R R 1 ALMINTO ONT	B SC AGR 1
STEEVES BEVERLY A 4 MAPLE AVE STE ANNE DE BELLEVUE 203 DUFFERIN RD HAMPSTEAD QUE	H S D DIP
STEEVES WILLARD M C 3020 LOMBARD CRES TOWN OF MT ROYAL QUE	B C L 2
STEFANIDIS PANAYOT 534 PRINCE ARTHUR ST W APT 8 MTL TAROVET SOK N 40 TARABYO INSTANBUL TURKEY	PH D 2 VI 2 0154
STEFH CHARLES T 475 PINE AVE W MTL BOX 118 HILLER PENN U S A	D D S 1 VI 4 4270
STEICHE HERBERT HANS 3475 RIDGEWOOD AVE APT 104 MTL 316 INNIS ST OIL CITY PENN U S A	3 TCHRS 2 RE 8 6519
STEIGMANN AXEL JOHN 5095 DUDEMAINE ST APT 9 MONTREAL QUE	PH D 3 RI 7 7120
STEIN ALAN M 5042 PONSARD AVE MONTREAL QUE	B C L 1 HU 6 9333
STEIN ALLAN BRUCE 750 BERTRAND VILLE ST LAURENT QUE	B COM 2 RI 7 0402
STEIN BORIS 3528 LORNE AVE APT 2 MONTREAL QUE	PARTIAL AV 8 7590
STEIN DAVID AVRUM 4662 KENT AVE MONTREAL QUE	B COM 4 RE 3 9227
STEIN LIONEL MORTIMER 2225 EDEN RD TOWN OF MT ROYAL QUE	B ENG MCH 5 RE 3 8052
STEIN MICHAEL BERNARD 5042 PONSARD AVE MONTREAL QUE	B A 2 HU 6 9333
STEIN MILDRED L 3860 KENT AVE MONTREAL QUE	B A 1 RE 8 8817
STEIN WILLIAM 383 ALEXIS NIHON VILLE ST LAURENT QUE	B A 2
STEINBERG BLEMA SOLOMON 5678 MACDONALD AVE MONTREAL QUE	PH D 4 HU 1 6976
STEINBERG BRAHM B 4947 GLENCAIRN RD MONTREAL QUE	B COM 1 HU 9 6809
STEINBERG ELAINE R 23 STE GEORGE ST STE ANNE DE BELLEVUE 5379 PRINCE OF WALES MONTREAL QUE	3 TCHRS
STEINBERG ELEANOR S 4890 MIRA RD MONTREAL QUE	B A 1 HU 6 4155
STEINBERG HENRY MURRAY 4970 ST KEVIN AVE APT 17 MONTREAL QUE	B C L 2 RE 8 4627
STEINBERG HYMAN LEONARD 4832 MACKENZIE MONTREAL QUE	B SC 1 RE 8 5361
STEINBERG IRWIN 4890 MIRA RD MONTREAL QUE	B COM 3 HU 6 4155
STEINBERG JANICE M 4970 ST KEVIN APT 17 MONTREAL QUE	B A 4 RE 8 4627
STEINBERG JUNE SANDRA 5177 WESTBURY AVE MONTREAL 29 QUE	B A 3 RE 7 3855
STEINER GLEN MARCEL 900 BOULEVARD DU LAC ST EUSTACHE SUR LE LAC 228 LAKESHORE RD CULTUS LAKE B C	B ENG COM 5
STEINER JACK 4079 CLARKE ST MONTREAL QUE	B ENG 1 AV 8 7561
STEINHOUSE JOYCE ELAINE 3905 PLAMONDON AVE APT 8 MONTREAL QUE	B A 1 RE 7 8778
STEINMAN SEYMOUR DAVID 151 DUFFERIN RD MTL 1427 PORTLAND AVE SHERBROOKE QUE	B A 4 HU 8 4182
STEINMETZ NICOLAS 3546 DUROCHER APT 16 MTL STATION A OGDENSBURG N Y U S A	B SC 4 VI 9 2083
STELPS RASMA 6575 VICTORIA AVE APT 10 MONTREAL QUE	B N 1 RE 3 5635
STENMAN ULLA MARIA A 4885 MARIETTE AVE MONTREAL QUE	B A 4 HU 1 5227
STEPHENS PETER JOHN T 4403 GIROUARD AVE MONTREAL QUE	B SC 2 HU 9 4123
STEPHENS SAMUEL JAMES 1468 CRESCENT ST APT 302 MONTREAL QUE	PH D 3 AV 8 4766

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STEPHENS SIDNEY ALLAN 34 MERTON CRESCENT MONTREAL 29 QUE	B ENG MCH 3 HU 6 9008
STERN ANTONY M 4687 WESTMOUNT AVE WESTMOUNT QUE	MD CM 1 HU 1 4051
STERN ELLY 4224 MARCIL AVE MONTREAL QUE	M S W 1 HU 4 2568
STERN HELENE STEPHANIE 3238 THE BOULEVARD WESTMOUNT QUE	B A 4 WE 5 5856
STERNTHAL EDWARD 65 PAGNUELO AVE OUTREMONT QUE	B SC 3 CR 9 3507
STERNTHAL HYMAN SOLOMON 6034 HUTCHISON ST APT 3 OUTREMONT QUE	B SC 3 CR 2 0953
STEVENS DONNA CLARE ROYAL VICTORIA COLLEGE BOX 636 STETTLER ALBERTA	B A 1
STEVENSON CHARLES HARRY R 53 BELMONT AVE VALOIS QUE	B ENG EL 3
STEVENSON JUEL ANNE 4572 CORONATION AVE MONTREAL QUE	2 TCHRS 1 HU 4 8907
STEVENSON LOUISE R 38 ROSEMOUNT AVE WESTMOUNT QUE	PARTIAL
STEVENSON ROBERT W 530 MOUNT PLEASANT AVE MONTREAL 6 QUE	B D 1 WE 2 7577
STEVENSON WILLIAM F MACDONALD COLLEGE FRANKLIN CENTRE QUE	AGR DIP 1
STEWART BARRIE CAMERON 3508 UNIVERSITY ST MTL 23 PRINCE ST HUNTINGDON QUE	B COM 2 VI 4 0752
STEWART CHARLES 3611 LORNE CRES MTL KNOWLTON QUE	MD CM 4 VI 4 1609
STEWART DAVID R 3508 UNIVERSITY ST MTL 1319 WELLINGTON ST OTTAWA ONT	B D 1 VI 4 0752
STEWART GEOFFREY EDWARD 34A MAPLE AVE STE ANNE DE BELLEVUE 40 BURTON RD ASHBY DE LA ZOUCH LEICESTERSHIRE ENGLAND	B SC AGR 2
STEWART HUGH D 3433 DUROCHER ST APT 306 8 KEBLE RD OXFORD ENGLAND	B A 2 VI 4 4272
STEWART IAN A MONTREAL GENERAL HOSP 43 KEMLWORTH AVE OTTAWA ONT	B ENG COM 5
STEWART JOHN DONALD 30 JASPER AVE TOWN OF MT ROYAL QUE	MED DIPL 4 RE 8 3021
STEWART SHIRLEY MAUREEN STEWART HALL 190 BECKWITH ST N SMITH S FALLS ONT	B SC H EC 4
STEWART WILLIAM BEVERLY MACDONALD COLLEGE 82 GOODERICH ST DALHOUSIE N B	B SC AGR 4
STILES DONALD ALFORD 877 LAFAYETTE BLVD MONTREAL 23 QUE	B D 2 OR 4 9681

NAME ADDRESS	COURSE & YEAR TEL. NO.
STINNES MATHIAS 180 BEVERLEY AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 3558
STINSON FRANCA BERYL 1 PERRAULT AVE STE ANNE DE BELLEVUE QUE	M A 1
STIRZAKER COLIN VICTOR 4096 HAMPTON AVE MTL 718 ANDERSON AVE PORT ALBERNI B C	D D S 2 HU 1 8608
STOBIE JANET ANNE E ROYAL VICTORIA COLLEGE 8 CLEENEY AVE TORONTO 5 QUE	B A 3 VI 9 0858
STOCKHAUSEN JOSEPH PAUL DOUGLAS HALL 4 CHELSEA AVE HALF WAY TREE JAMAICA B W I	B ENG CIV 4 VI 9 5129
STOCKING JACOBUS C 3444 DUROCHER ST MTL 87 GRANDVIEW AVE WILLOWDALE ONT	B ARCH 2
STOCKS ROBERT JAMES 5201 SHERBROOKE ST W APT 16 MTL BOX 407 COWANSVILLE QUE	B C L 3 HU 8 5289
STOCKWELL HENRY PERKINS 3508 UNIVERSITY ST MTL 594 DRIVEWAY OTTAWA ONT	MD CM 2
STOLIAR FRANCES EDNA 4641 ESPLANADE AVE MONTREAL QUE	B SC 1 VI 9 7804
STOLLAR MAX 5578 WAVERLEY ST MONTREAL QUE	B ENG 2 CR 2 6734
STOLOVITCH HAROLD D 5590 VICTORIA AVE APT 11 MONTREAL QUE	2 TCHRS RE 3 9155
STONE CHARMAINE C 32 OXFORD RD STE ANNE DE BELLEVUE 2365 MARIETTE AVE MONTREAL 28 QUE	B ED 1
STONE MALCOLM STEWART 4547 HAMPTON AVE MONTREAL 28 QUE	B COM 3 HU 1 1926
STONE SHEILA MCLEOD 4114 MARCIL AVE MONTREAL QUE	B A 3 HU 6 3935
STOREY SAMUEL HARRY 3621 OXENDEN AVE APT 5 MONTREAL QUE	PH D 2 AV 8 9423
STORR CATHERINE R 4150 HINGSTON AVE MONTREAL 28 QUE	M SC 1 HU 6 6121
STOTT JOHN DAVID 25 45TH AVE APT 14 LACHINE QUE	B SC 3 ME 7 6206
STOTT PETER KAY 25 45TH AVE APT 14 LACHINE QUE	H S D DIP ME 7 6206
STRACEY JOHN SIMON 1002 MACNAUGTON RD TOWN OF MT ROYAL QUE	B ENG CIV 3 RE 8 0347
STRACHAN RICHARD A BRITTAIN HALL THE LAKES PEDLEY LANE CLIFTON BEDFORDSHIRE ENGLAND	B SC AGR 2
STRAIN ANNE 3600 UNIVERSITY ST MONTREAL QUE	M S W 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STRAIN MARGARET ROSE 7345 MAYNARD ST TOWN OF MT ROYAL QUE	B SC 3 RE 3 3062
STRAIN WILLIAM J 7345 MAYNARD ST TOWN OF MT ROYAL QUE	B ENG 1 RE 3 3062
STRAKER NORMAN L 373 LAZARD AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 3541
STRASBERG ZENO 3506 UNIVERSITY ST MTL 66 CASCADE RD ST ANNS TRINIDAD B W I	B SC 3 VI 4 0624
STRATFORD NORA W 1280 PINE AVE WEST MTL 77 CHARLOTTE ST BRANTFORD ONT	B SC N 2 VI 2 9451
STRATHMANN HILDEGARD REDDY MEMORIAL HOSPITAL C O W W WAY BOX 160 SARDIS B C	MED DIPL 2
STRAUSS HAROLD CARL 4841 WILSON AVE MONTREAL QUE	B SC 3 HU 4 7054
STREAN MAXINE PAMELA 656 LANSDOWNE AVE WESTMOUNT QUE	B A 4 HU 6 2312
STROHL ESTELLE ESTHER 736 HARTLAND AVE MONTREAL QUE	B SC 1 RE 8 9308
STROLL GLORIA RUTH 5230 ROSEDALE AVE MONTREAL QUE	B ED 3 HU 6 7065
STROMBERG DAVID 5814 CLANRANALD AVE MONTREAL QUE	B COM 2 RE 3 0457
STROMBERG IONE GLORIANNE ROYAL VICTORIA COLLEGE 1441 104TH ST NORTH BATTLEFORD SASK	B A 4 VI 2 0113
STRUBBE PATRICIA J 1000 LAPOINTE ST ST LAURENT QUE	B SC 1 RI 4 1361
STRUCCHELLI LOUIS 8273 QUERBES AVE MONTREAL QUE	B ENG COM 5 CR 2 8883
STUART KENNETH LLOYD DOUGLAS HALL PEMBROKE HALL P O JAMAICA B W I	B SC 4 VI 2 0977
STUART ROBERT A G 8215 DOVER RD MONTREAL 16 QUE	B ENG 1 RE 9 1158
STUCHBERY IAN 3473 UNIVERSITY ST MTL BRACMOUNT HARLOVY COMMON ESSEX ENGLAND	B D 2
SUFI SOHAN SINGH 460 PRINCE ARTHUR ST W MONTREAL QUE	B ENG 2 VI 4 3567
SUGA HARUSI TY 11 ST LUC ST MONTREAL 12 QUE	B ENG 2 MO 9 7010
SUKSE GUNTIS 43 SENNEVILLE RD SENNEVILLE QUE	B SC AGR 4
SULITEANU DAN 3621 DECARIE APT 26 MONTREAL QUE	A ENG CH 5 HU 6 4685
SULLIVAN DANIEL JOSEPH 4384 MARCIL AVE MONTREAL 28 QUE	B C L 2 HU 4 3243
SULLIVAN JAMES D 4384 MARCIL AVE MONTREAL 28 QUE	MD CM 1 HU 4 3243
SULLIVAN JOHN P O DOUGLAS HALL 1036 TYLER ST NENATCHEE WASHINGTON USA	MD CM 1
SULLIVAN PATRICIA L 8216 THE BOULEVARD WESTMOUNT QUE	B A 1 WE 5 6166
SUMARDJO HANDOKO 3474 MCTAVISH ST MTL 3566 LORNE AVE APT 8 MONTREAL QUE	B SC 3 VI 2 0805
SUMBULIAN HAYKAZOUN 3531 HUTCHISON ST MTL IMM ZAWZAWAJIAN FRES RUE NAHC CORNICH BEYROUTH LIBAN	B C L 2 VI 9 1317
SUMMERBY JOHN HALL 5215 VICTORIA AVE APT 3 MONTREAL QUE	MED DIPL 2 RE 7 8863
SUMNER DARLENE MARY 185 MARINA CIRCLE PTE CLAIRE QUE	B SC 1
SUN YUK LUN KINGSLEY 3430 RUE STE FAMILLE MTL 19 AUSTIN AVE 2ND FL KOWLOON HONG KONG	B SC 2 AV 8 0676
SUNY ISMAIL 3474 MCTAVISH ST APT 1 23 DJL DJENGGALA 11 KEBAJORAN BARU DJAKARTA INDONESIA	M C L 1 VI 2 0805
SUPERSTEIN HOWARD RONOLD 5133 ST URBAIN ST MONTREAL QUE	B COM 2 CR 2 0792
SUSSER ROSLYN 13 ST GEORGES ST STE ANNE DE BELLEVUE 1006 JEAN TALON WEST MONTREAL QUE	3 TCHRS
SUSSET JACQUES G 5612 CANTERBURY AVE MONTREAL QUE	M SC 1 RE 3 1954
SUTCLIFFE STEWART STANLEY 5 MALCOLM CIRCLE DORVAL QUE	B COM 4 ME 1 3000
SUTHERLAND EVERETT HIRAM 328 ST JACQUES ST LONGUEUIL BOX 947 WOODSTOCK N B	D D S 3 OR 4 6192
SUTHERLAND SHEANA S 193 MONTENACH ST LONGUEIL QUE	B A 1
SUTTO CLAUDE MAURICE GUY 272 QUERBES AVE OUTREMONT QUE	B A 4 CR 9 6678
SUZUKI JOHN MACGREGOR 3542 SHUTER ST APT 9 8 RATHNELLY AVE TORONTO ONT	B SC 2
SUZUKI JUDITH LESLIE Y H 120 SHERBROOKE ST W APT 19 MTL 8 RATHNELLY AVE TORONTO ONT	B A 4 VI 5 2600
SVAMI NIGEL 3330 GOYER ST APT 3 MONTREAL 26 QUE	B A 2 RE 8 1221
SVED GEORGE 3075 MAPLEWOOD AVE MONTREAL QUE	A ENG CH 4 RE 3 3061
SVISTUNENKO JURIS 1239 FORT ST APT 1 MONTREAL QUE	B ENG AM 3 WE 2 2733

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
SWAISGOOD VONDALE 108 W 15TH ST APT 28 MANHATTAN N Y R R 1 KANSAS OHIO U S A		M S W 2
SWALES DAVID WILLIAM 19 PERRAULT AVE STE ANNE DE BELLEVUE QUE		MD CM 2
SWARTZ HEATHER L MACDONALD COLLEGE 35 LAURIER AVE NITRO BEAUHARNOIS CO QUE	3 TCHRS	
SWEETING SIDNEY THEODORE 5835 DECELLES PL APT 1 MONTREAL QUE	RE 1 1691	B SC 3
SWIFT GRAHAM BOx 93 MACDONALD COLLEGE 17 SOUTHGATE PENISTONE N SHEFFIELD ENGLAND		M SC 1
SWIFT JOHN ARTHUR A 6014 COOLBROOK AVE MONTREAL QUE	RE 3 6379	B C L 1
SWIFT ROBERT C 466 STRATHCONA AVE WESTMOUNT QUE	WE 7 4378	B ENG 1
SWIRSKY BENJAMIN 5174 BOURRETT AVE MONTREAL QUE	RE 9 0459	B ENG 1
SWIRSKY LILLIAN 363 OLIVIER AVE MTL 5174 BOURRET AVE MONTREAL QUE	WE 2 0762	B SC 2
SWIRSKY RONALD 5280 WESTHILL AVE APT 15 7A BROADWAY CORNER BROOK NFLD	HU 9 6088	B ENG COM 5
SWITZER PHYLLIS MARY ROYAL VICTORIA COLLEGE 75 EAST 44TH ST HAMILTON ONT		B SC 3
SWOGER ALVIN GORDON 1441 DRUMMOND ST MTL 551 BELLEVUE ST MAGOG QUE		M A 1
SYBULSKI STELLA 6620 45TH AVE MONTREAL 36 QUE		PH D 4
SYKORA OSCAR PAUL 159 GERALD AVE LASALLE QUE	PO 7 4888	D D S 4
SYME THOMAS DOUGLAS 189 CURZON AVE ST LAMBERT QUE	OR 1 3569	B ENG 2
SYMES ASTON LLOYD BRITTAIN HALL 12 ST JOSEPH AVE KINGSTON 3 JAMAICA W I		B SC AGR 2
SYMONENKO WALTER 266 JEANNETTE ST VILLE LEMOYNE QUE		B COM 2
SYMONS FRANK S 171 DEVON AVE MTL 245 5TH AVE ST EUSTACHE SUR LE LAC QUE	RE 7 3140	B A 2
SYVERTSEN ROSALIND GORDON ROYAL VICTORIA COLLEGE GREAT HOLLOW HANOVER N H U S A	VI 9 0858	B A 4
SZABO ANDREW JOHN 5886 DECELLES AVE APT 5 MONTREAL QUE	RE 1 4742	MD CM 4
SZALAY PAUL JOSEPH 3195 ELLENDALE AVE APT 11 MONTREAL QUE	RE 3 8380	PH D 2
SZEBIK SHIRLEY RUTH 5336 COOLBROOK AVE MONTREAL QUE	HU 1 8854	B SC 1
SZEGO PETER 5180 QUEEN MARY RD MONTREAL QUE	HU 9 7669	B SC 2
SZEKELY REKA KATERINE 4155 DUPUIS AVE APT 16 MONTREAL QUE	RE 9 2142	B ENG CIV 3
SZETO LAWRENCE KWOK LAU 20 CONNAUGHT RD W HONG KONG		B ENG 2
SZIRTES THOMAS 1205 CRESCENT ST APT 30 MONTREAL QUE		M ENG 2
SZPETGANG PAULETTE FUNBUU 4525 PARK AVE MONTREAL QUE	VI 2 2820	B A 4
SZUSZKOWSKI SOPHIE 5256 BOURBONNIERE AVE MONTREAL QUE	RA 1 0125	B A 2
SZWARC MARY VIOLETTE 4376 MADISON AVE MONTREAL QUE	HU 6 7693	MD CM 3

T

TABAKMAN PAUL 4017 DE LA PELTRIE MONTREAL QUE	RE 8 5344	B SC 1
TABOIKA FRANK 598 5TH AVE LACHINE QUE	ME 7 1011	B A 4
TAFLER RHODA SARA 5022 VICTORIA AVE MONTREAL QUE	3 TCHRS RE 3 6023	
TAGUCHI YOSHINORI YOSH 5954 24TH AVE MONTREAL 36 QUE	RA 1 4580	MD CM 4
TAHT REIN 2178 MARCIL AVE MONTREAL QUE	HU 9 4348	B ENG 2
TAIT GEORGE R 148 VICTORIA AVE LONGUEUIL QUE	OR 4 9731	B ENG PHY 3
TAIT SANDRA ELIZABETH ROYAL VICTORIA COLLEGE C O QUE CARTIER MINING SHELTER BAY QUE	VI 2 0598	B SC 2
TAITELBAUM ESTHER 6249 DE VIMY AVE MONTREAL QUE	RE 8 2520	B A 2
TAITT PETER S BRITTAIN HALL BROXTON HOUSE CHILDBOLTON NEAR STOCKBRIDGE HANTS ENGLAND		B SC AGR 2
TAKAHASHI NORMAN SHOJI 208 JACQUES CARTIER ST FARNHAM QUE		B SC 2
TAKAMOTO ROBERT M M A 3655 OXENDEN AVE MTL 1345 MOKU PL HONOLULU 14 HAWAII	VI 9 3014	MD CM 1
TALBOT JOHN RICHARD 3478 MCTAVISH ST MTL ALTON PEMBROKE BERMUDA	VI 2 7412	B COM 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TALBOT PETER R 800 49TH AVE LACHINE QUE	B SC AGR 1 ME 7 2808
TALBOT RICHARD 362 LABADIE MONTREAL QUE	B ENG 2 CR 2 7773
TALIANA CLAUDE 7971 CARTIER ST MONTREAL 35 QUE	B ENG 2 RA 1 9665
TALPIS JEFFREY A 6091 WILDERTON AVE MONTREAL QUE	B SC 1
TAM KIM FUNG 3619 OXENDEN AVE APT 6 37 TIN HAU TEMPLE RD 1ST FL HONG KONG	B ENG AM 4 VI 4 7866
TAMM JOHN ROBERT 8265 BAILLARGE E MTL 612 S PENINSULA DR DAYTONA BEACH FLORIDA U S A	L L M 1
TAMOLIUNAS CASIMIR B 2010 DORCHESTER ST W MTL FRANCISCAN MONASTERY KENNEBUNKPORT MAINE USA	B ENG 1 WE 3 4243
TANAKA FUJIO 4869 WESTMORE AVE MONTREAL QUE	B ENG MCH 3 HU 6 9111
TANAKA RONALD SHOJI 451 GREENOCH AVE TOWN OF MT ROYAL QUE	B ENG CIV 4 RE 7 4828
TANENBAUM HOWARD LEON 834 MCEACHRAN AVE OUTREMONT QUE	MD CM 2 CR 7 7439
TANG ANDREW 1441 DRUMMOND ST MTL 8 CASSIA RD HONG KONG	B SC 2
TANG GENE DONALD 12025 DESCHAMPS ST APT 6 CANDO N DAK U S A	MD CM 4
TANG SAV YAN SIMON 533 PRINCE ARTHUR W MTL FLAT A FAIRVIEW MANSION 5TH FL PATERSON ST HONG KONG	B ARCH 1
TANNAHILL JUNE D STEWART HALL HUNTINGDON QUE	2 TCHRS 1
TANNER WILLIAM FREDERICK 22 CAMPBELL AVE MTL WEST NORTH HATLEY QUE	B COM 3
TANTON MARGARET ALICE STEWART HALL 78 CHURCHILL ST TRURO N S	B SC H EC 4
TANZMAN HELENE ISABEL ROYAL VICTORIA COLLEGE 617 SAND COVE RD LANCASTER N B	B A 3 VI 2 0495
TARAN SEYMOUR 6550 WESTBURY AVE MONTREAL QUE	B COM 3 RE 3 9519
TARASOFSKY ABRAHAM 5575 VICTORIA AVE APT 8 MONTREAL QUE	M A 1 RE 3 2364
TARASOFSKY JOSEPH 6040 HUTCHISON ST MONTREAL 8 QUE	B ENG 2 CR 9 9100
TARASOFSKY JOYCE 4734 MAPLEWOOD AVE MONTREAL QUE	3 TCHRS RE 7 3157
TARAZI ANTONE K 3578 SHUTER ST APT 3 MONTREAL QUE	MED DIPL 3 VI 4 6675
TARCZAY GEZA BELA 3649 DUROCHER ST APT 11 MONTREAL QUE	B ENG 2 VI 4 4796
TARCZAY SZABOLCS LASZLO 3649 DUROCHER ST APT 11 MONTREAL QUE	B ENG EL 3 VI 4 4796
TARDIF JOHN 52 SIMCOE AVE TOWN OF MT ROYAL QUE	B C L 3 RE 8 4498
TARI LESLIE 6875 LASALLE BLVD MONTREAL QUE	B SC 2
TARI YUSEF 2022 NORMAN VILLE ST LAURENT QUE	B ENG MCH 3 RI 8 7068
TARLO JUDITH VIVIEN ROYAL VICTORIA COLLEGE C O JUDSON BIGELOW 171 SPRING ST NEW YORK CITY U S A	B A 3
TARR DAVID ALAN 252 SIMCOE AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 7581
TASCHEREAU PIERRE M MACDONALD COLLEGE 220 WAVERLEY ST OTTAWA ONT	B SC AGR 1
TATE ROBERT WILSON 30 FINCHLEY RD HAMPSTEAD QUE	B A 2 HU 1 6754
TATHAM WILLIAM G 649 MILTON ST MTL CAMPBELLFORD ONT	B A 1 AV 8 5313
TAUB ILYSE JOY 4855 ROSLYN AVE MONTREAL QUE	B A 4 RE 7 1788
TAUB MICHAEL IRWIN 655 ROSLYN AVE WESTMOUNT QUE	B COM 2 HU 1 5906
TAVARES STAFFORD E WILSON HALL 5 BROMPTON RD KINGSTON 5 JAMAICA T W I	B ENG 2
TAYLOR ALLEN LEVORE 3581 UNIVERSITY ST MTL 1212 18TH ST N W CALGARY ALTA	M SC 2 VI 9 1368
TAYLOR ANGUS SCOTT 3508 UNIVERSITY ST MTL 623 MAIN ST LACHUTE QUE	B ENG AM 4 VI 4 0752
TAYLOR BARBARA ALICE MACDONALD COLLEGE BOX 301 WHITEHORSE YUKON	B SC H EC 1
TAYLOR FRANCIS ALBERT 3858 LASALLE BLVD VERDUN QUE	B ENG 2 PO 6 0674
TAYLOR GENEVIEVE D 1535 GUERTIN ST VILLE ST LAURENT QUE	2 TCHRS RI 4 3018
TAYLOR GLENN H DOUGLAS HALL 316 PROSPECT ST RIDGEWOOD N J USA	B ENG 1
TAYLOR HILDA C 3571 SHUTER ST APT 6 MONTREAL QUE	PARTIAL AV 8 3063
TAYLOR JAMES MATTHEW DOUGLAS HALL 420 STONE ST GANANOQUE ONT	B SC 2 VI 4 0977
TAYLOR JEAN ELIZABETH ROYAL VICTORIA COLLEGE 623 MAIN ST LACHUTE QUE	B SC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TAYLOR JUDITH ANNE STEWART HALL 55 GEORGE AVE NORANDA QUE	B SC H EC 3
TAYLOR LAUGHLIN BARKER 22 COTE STE CATHERINE RD MONTREAL QUE	M SC 2 CR 1 1709
TAYLOR MARILYN R 2212 DUNKIRK RD MONTREAL 16 QUE	2 TCHRS 1 RE 1 1560
TAYLOR MICHAEL LAWRENCE 574 DULWICH AVE ST LAMBERT QUE	B SC 3 OR 1 5436
TAYLOR PAUL F MACDONALD COLLEGE 28 WINDSOR AVE WESTMOUNT QUE	P E DIP 1
TAYLOR PETER ALLAN 3506 UNIVERSITY ST MTL C O MR C A O PHILLIPS 4200 MARCIL AVE APT 10 MONTREAL QUE	B SC 3 VI 4 0624
TAYLOR ROBERT M MACDONALD COLLEGE R R 3 COOKSHIRE QUE	2 TCHRS 2
TAYLOR ROBERT MELVIN 49 OXFORD RD BAIE D URFE QUE	B SC AGR 1
TAYLOR RODNEY B 118 ELM AVE ST EUSTACHE SUR LE LAC QUEBEC	B ENG 1
TAYLOR SHEENA M ROYAL VICTORIA COLLEGE WESTNEWTON ASPATRIA CARLISLE CUMB ENGLAND	B A 3 VI 2 0495
TAYLOR WILLIAM P 1547 MCGREGOR ST MTL 825 DURHAM AVE S W CALGARY ALTA	B COM 3 WE 3 0394
TECTOR MARGARET ANNE 3565 LORNE AVE MONTREAL QUE	M SC 2 VI 9 6716
TEES RICHARD CHISHOLM 33 RENFREW AVE WESTMOUNT QUE	B A 2 HU 1 6479
TEITELBAUM JACOB ISAAC 5784 NORTHMOUNT AVE MONTREAL 26 QUE	MED DIPL 4 RE 7 0678
TEITELBAUM MYRNA 483 CHAMPAGNEUR AVE OUTREMONT QUE	B SC 1 CR 4 2634
TEITLEBAUM ALBERT DAVID 5160 ROSEDALE AVE MONTREAL QUE	M A 1 HU 9 1945
TEJADA LOUIS GEORGE HENRY 3434 MCTAVISH ST MTL SAN FCO DE MACORIS DOMINICAN REPUBLIC	B ENG 2 VI 2 4492
TEKKER PETER CONRAD 5280 DALOU ST MONTREAL QUE	B ENG CH 4 HU 1 6487
TELFER IRWIN E APT 10 MACDONALD COLLEGE EAST CARIBBEAN FARM INST CENTENO ARIMA TRINIDAD B W I	B SC AGR 4
TELFORD GEORGE MALCOLM 2019 STANLEY ST APT 4 MONTREAL QUE	B SC 2
TEMERTEY CONSTANTINE J 6625 36TH AVE MONTREAL 36 QUE	B ENG 1 RA 2 4190
TEMPLE JOHN A STE ANNS HOSPITAL STE ANNE DE BELLEVUE QUE	B SC 1
TEMPLE MICHAEL CHARLES 3563 DUROCHER ST APT 10 MONTREAL QUE	B A 2 HU 8 6565
TEMPONERAS DENIS PETER 46 PINE AVE W MONTREAL QUE	B ENG 2 VI 5 7931
TENANDER MARTTI ARVI 4 OLDFIELD AVE APT 55 78 BAGSHAW ST ROUYN QUE	B ENG CIV 3
TENENBAUM MARCEL PAUL 5500 VICTORIA AVE MONTREAL 26 QUE	D D S 3 RE 3 4216
TENENHOUSE ALAN 2660 GOYER ST APT 1A MONTREAL QUE	PH D 4 RE 7 2825
TENNANT JAMES SCOTT 33 CEDAR AVE PTE CLAIRE QUE	B ENG 2
TENNESON ERNEST G 6340 FIFTH AVE MONTREAL 36 QUE	PARTIAL RA 1 4187
TERAUDS JANIS 3794 COTE DES NEIGES MTL R R 1 SWEETSBURG QUE	B ENG MCH 5 WE 5 8043
TERPLAN PETER KORNEL 3436 DUROCHER ST APT 7 52 BEARD AVE BUFFALO N Y USA	MD CM 3 AV 8 4846
TERROUX ARTHUR C D 1509 SHERBROOKE ST W APT 66 MONTREAL 25 QUE	B SC 2 WE 2 8580
TERRY WILLIAM HARRISON 142 LAKEVIEW AVE PTE CLAIRE 33 QUE	B COM 3
TESFAYE DEBAS HAILE 3444 DUROCHER ST MTL C O UNIVERSITY COLLEGE ADDIS ABABA ETHIOPIA	MD CM 1 AV 8 4344
TESSEMA NEGGA 3509 HUTCHISON ST APT 25 C O ATTO TAMENE SEYOUM P B 1367 ADDIS ABABA ETHIOPIA	B C L 2 AV 8 9811
TESSLER IRVING 3918 CARLTON AVE MONTREAL QUE	B SC 1 RE 3 1644
TESTA RENE BIAGGIO 5503 ST JAMES ST W MONTREAL QUE	B ENG AM 5 HU 1 1366
TETERUCK WALTER ROBERT 3550 LINTON AVE APT 403 WESTMOUNT QUE	D D S 2 RE 8 2802
THANOS COSTAS ANDREAS GRAD SCHOOL OF BUSINESS COLUMBIA UNIVERSITY NEW YORK 27 N Y U S A	M A 2
THEMELIS NICKOLAS JOHN 2076 SHERBROOKE ST W APT 15 MONTREAL QUE	M ENG 2 WE 7 4877
THEODORE GEORGE BRITTAIN HALL 4269 ONTARIO ST E MONTREAL QUE	2 TCHRS
THEODORE NICK 4269 ONTARIO ST E MONTREAL QUE	B ENG 1 CL 5 6400
THERIAULT EDOUARD A 1429 CHURCH AVE MONTREAL 20 QUE	H S D DIP PO 6 6702

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NAME ADDRESS	COURSE & YEAR TEL. NO.
THIARA DALEL S 460 PRINCE ARTHUR ST W MONTREAL QUE	B ENG 2 VI 4 3567
THIBAULT CAMILLE 939 OLD ORCHARD AVE MONTREAL 28 QUE	M SC 1 HU 4 6578
THOMAS BARRY RENTON 5463 12TH AVE MONTREAL 36 QUE	B ENG MCH 3 RA 2 9820
THOMAS DOROTHY O ROYAL VICTORIA COLLEGE 23 DUNROBIN AVE KINGSTON 10 JAMAICA W I	PHYSIOTH 1
THOMAS ELEANOR GALE STEWART HALL 4580 BELMORE AVE MONTREAL QUE	B SC H EC 2
THOMAS ELEANOR L 20202 LAKESHORE RD BAIE D URFEE QUE	B SC H EC 1
THOMAS GARFIELD BOSWORTH MACDONALD COLLEGE MUNRO COLLEGE JAMAICA B W I	B SC AGR 2
THOMAS HILARY JOAN 4097 HIGHLAND AVE MONTREAL QUE	B SC 4 WE 5 9225
THOMAS HOWARD B 548 PRINCE ARTHUR W MTL 2094 ELMHURST AVE OAKVILLE ONT	MD CM 1
THOMAS MARY GABRIELLE ROYAL VICTORIA COLLEGE THE KNOLL SHELLY BAY BERMUDA	B A 2 VI 9 0210
THOMAS MAX MATTHEW P 3592 DUROCHER ST APT 6 4 CUMBERBATCH LANE BELMONT PORT OF SPAIN TRINIDAD F W I	B ARCH 3 VI 4 0359
THOMAS PIERRE 145 TOURANGEAU ST PONT VIAU QUE	M C L 4 MO 9 6467
THOMPSON BENJAMIN L 4355 ST KEVIN APT 2 MONTREAL QUE	M SC 1 RE 3 0335
THOMPSON BLANCHE D 1585 MCGREGOR ST MTL TAYLOR LAKE ST JOHN COUNTY N B	B N 1 WE 3 0051
THOMPSON BLASHFORD GORDON 5254 COOLBROOK AVE MONTREAL 29 QUE	MD CM 4 HU 4 5187
THOMPSON GORDON D 3410 KENT AVE MTL 569 COMMERCIAL ST NORTH BAY ONT	MED DIPL 1 RE 1 4405
THOMPSON HUGH MACLEOD 37 BRUNET AVE PTE CLAIRE QUE	B ENG EL 3
THOMPSON JESS M MACDONALD COLLEGE R R 1 OXFORD NOVA SCOTIA	B SC AGR 3
THOMPSON JOHN H B HUDSON HIGHTS QUE	B ARCH 1
THOMPSON LLOYD HORATIO 2855 BARCLAY AVE APT 8 BROUGHTON LITTLE LONDON JAMAICA B W I	D D S 1
THOMPSON NORMA J STEWART HALL 312 SANFORD AVE ST LAMBERT QUE	3 TCHRS
THOMPSON SYBIL HYACINTH MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC H EC 2

NAME ADDRESS	COURSE & YEAR TEL. NO.
THOMPSON WILLARD RUSSELL 725 UPPER LANSDOWNE AVE WESTMOUNT QUE	D D S 1
THOMPSON WILLIAM ALLEN HUDSON QUE	MD CM 4
THOMSON AUDREY R 5228 EARNSCLIFFE AVE MONTREAL 29 QUE	B N 1 HU 6 3576
THOMSON BARRY KAY 1465 DEPATIE ST VILLE ST LAURENT QUE	B ENG 2 RI 7 8078
THOMSON JOHN PETER BRITTAIN HALL R R 4 NEW GLASGOW PIC CO N S	B SC AGR 4
THOMSON JUDITH A 6635 LA SALLE BLVD MTL 501 4TH AVE E OWEN SOUND ONT	PHYSIOTH 2 PO 3 4711
THOMSON LANCE KENT 119 KENASTON AVE TOWN OF MT ROYAL QUE	B A 4 RE 1 1979
THOMSON PATRICK H DOUGLAS HALL RAVENSBY HOUSE BARRY CARNOUSTIE ANGUS SCOTLAND	B COM 1
THORMIN MARGARET M 59 ELMWOOD AVE VALOIS QUE	B ED 1
THORPE PHILLIP PERRY WILSON HALL HALLS HARBOUR KINGS CO N S	B ENG EL 4 VI 4 0624
TIBONE PATRICIA E 418 PINE AVE APT 30 MTL 25 S LONG BEACH RD ROCKVILLE CENTRE NEW YORK USA	MD CM 1 VI 9 7784
TICEHURST BRENDA STEWART HALL 312 MAPLEWOOD AVE ROSEMERE QUE	P E DIP 2
TICEHURST GEORGE R MACDONALD COLLEGE THE PINES R R 4 MAGOG QUE	2 TCHRS 2
TICEHURST WINONA F A MACDONALD COLLEGE THE PINES R R 4 MAGOG QUE	2 TCHRS 1
TIE TEN QUEE ELIZABETH M 3445 COTE DES NEIGES APT 426 MTL 62 HOPE RD HALF WAY TREE P O ST ANDREW JAMAICA B W I	B A 3 WE 7 5792
TIETOLMAN MARILYN 4915 GLENCAIRN AVE MONTREAL QUE	PARTIAL HU 4 5590
TIGER LIONEL SAMUEL 5625 PARK AVE APT 4 MONTREAL QUE	M A 2 CR 1 9448
TIIVEL MATI 1830 LINCOLN AVE APT 9 MONTREAL QUE	B ENG MET 4 WE 3 3571
TILTINS VIZMA V 2720 GOYER ST APT 15 MTL 223 NEPEAN ST OTTAWA ONT	B SC H EC 1
TIMLECK ARTHUR JAMES DOUGLAS HALL 1612 WHITE ST SHERBROOKE QUE	B ENG 2 VI 4 0977

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
TIMMINS DONALD BECKER BRITTAIN HALL 305 BROCK AVE N MONTREAL WEST QUE		B SC AGR 2
TINGLEY DANIEL HARPER 75 ROSEMOUNT CRES WESTMOUNT QUE	WE 2 2833	B A 3
TINGLEY HELEN B 75 ROSEMOUNT CRES WESTMOUNT QUE	WE 2 2833	B A 2
TINGLIN AUDLEY B 3437 HUTCHISON ST MTL 2 MOUNTAIN VIEW AVE KINGSTON 2 JAMAICA W I	VI 4 1343	B SC 1
TINMOUTH WILLIAM W 5355 MONKLAND AVE MONTREAL QUE	HU 6 3264	B C L 3
TISHLER JACK MURRAY A 4907 BORDEN AVE MONTREAL 29 QUE	HU 8 6303	MD CM 2
TKACHYK WALTER J 8133 BLOOMFIELD AVE MONTREAL QUE	CR 7 5389	B ENG 1
TOBIN RICHARD DONALD A 3653 UNIVERSITY ST MTL P O BOX 279 LAURIER AVE BROMPTONVILLE QUE	VI 5 2738	B ARCH 5
TOCZYLOWSKA EWA TERESA 5250 MARIETTE AVE MONTREAL QUE	HU 1 3018	B A 4
TODD BARBARA R STEWART HALL 80 CLYDE ST LACHUTE QUE	3 TCHRS	
TODD JOHN HENRY 34A MAPLE AVE STE ANNE DE BELLEVUE R R 2 UPLANDS LONDON ONT		B SC AGR 2
TOLENSKY IRWIN VICTOR 6742 MOUNTAIN SIGHTS AVE MONTREAL QUE	RE 7 4996	B ENG 2
TOLMIE JOHN DUNCAN 2100 MARLOWE AVE MTL 101 HIGHLAND AVE GENEVA N Y USA	HU 4 3571	MD CM 4
TOLP HELEN ELIZABETH STEWART HALL 89 N ROCKWOOD AVE PORT ARTHUR ONT		B SC H EC 4
TOMITA FRANK MASAYASU 9777 ST CHARLES AVE MONTREAL 12 QUE	DU 7 2977	B ENG MET 5
TOMIUK ELIZABETH H 109 NEPTUNE BLVD STRATHMORE QUE	ME 1 1693	B A 1
TOMLINSON JOHN EDWARD 335 HAWTHORNE AVE LONGUEUIL QUE	OR 4 4864	B ENG EL 3
TOMLINSON WILLIAM S DOUGLAS HALL 122 FARRAND ST PORT ARTHUR ONT		B ENG 2
TONKIN ROGER S 4230 ROYAL AVE MONTREAL 28 QUE	HU 4 2441	MD CM 1
TONKS ALFRED R 5305 DUDEMAINE ST APT 18 MONTREAL QUE	RI 4 0293	PARTIAL
TOOR TEJ PARKASH SINGH 460 PRINCE ARTHUR ST W TIWANA NIWAS FACTORY AREA PATIALA PUNJAB INDIA	VI 4 3567	B ENG MI 3
TOPHAM WILLIAM T T 280 DULWICH AVE ST LAMBERT QUE	OR 1 7620	H S D DIP
TOPOLSKI RICHARD 4047 MACKENZIE ST MONTREAL QUE	RE 3 3106	D D S 1
TORCK JAMES A 3360 RIDGEWOOD APT 6 MTL 119 WILLOWMAC AVE CHATHAM ONT		B ENG MCH 5
TOROBIN ALLAN JEFFREY 78 DULUTH ST WEST MONTREAL 18 QUE	VI 4 7020	B SC 1
TOROBIN LEONARD BARRY 5771 WENTWORTH COTE ST LUC QUE	HU 9 5638	PH D 3
TORONTON RALPH 5714 DARLINGTON AVE APT 7 MONTREAL QUE		PARTIAL
TOTH JOZSEF 4252 DORCHESTER W WESTMT 733 ALEPIN ST VILLE LA SALLE QUE	WE 3 7494	B ENG 2
TOUROND MARGARET A STEWART HALL R R 4 LENNOXVILLE QUE		2 TCHRS
TOWERS DONALD ROBERT 3640 HUTCHISON ST APT 2 MONTREAL QUE	VI 5 5914	B SC 4
TOWN PENELOPE ANN MIMI 495 PRINCE ARTHUR W APT 12 MTL 8 WILLARD AVE MT VERNON NEW YORK U S A	AV 8 7968	D D S 1
TOWNSEND EDITH E 4250 MARCIL AVE APT 1 MONTREAL 28 QUE	HU 1 4287	PH D 4
TOY KENNETH W 318 TUDOR AVE ST LAMBERT QUE	OR 1 5275	B ENG 1
TOYE NORMAN 258 ST VIATEUR AVE W MTL 248 RICHELIEU ST ST JOHNS QUE		B ENG COM 5
TRACHEWSKY DANIEL 3483 HUTCHISON ST MONTREAL 18 QUE	VI 4 1388	B SC 2
TRAIL GORDON A BRITTAIN HALL R R 6 FREDERICTON N B		B SC AGR 3
TRAINOR JOHN DAVID 454 STRATHCONA AVE MONTREAL QUE	WE 7 3230	B COM 3
TRAVES PETER JOHN ANTHONY 595 DAWSON AVE TOWN OF MT ROYAL QUE	RE 8 3596	B SC 4
TREE JAMES C D 449 STRATHCONA AVE WESTMOUNT QUE		A & S COM 1
TREGENZA ALAN FREDERICK 655 MERTON AVE ST LAMBERT QUE	OR 1 0460	B ENG MCH 5
TREMPE RAYMOND 113 GEORGE ST SOREL QUE		B COM 1
TREVICK DANIEL I 45 JOYCE AVE OUTREMONT QUE	CR 6 6943	B A 2
TRIANDAFILLOV PANDELIS N MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		B SC AGR 4
TRIANTAFILLIDIS GERASIMOS 2020 VICTORIA ST APT 12A MONTREAL QUE	VI 4 6815	B ENG EL 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TRIANTAFILLIDOU MARY 2020 VICTORIA ST APT 12A MONTREAL QUE	B A 4 VI 4 6815
TRICKEY KENNETH WELDON 27 BROCK AVE N MONTREAL WEST QUE	M A 1 HU 6 4325
TRILLER HENRY 2155 MAPLEWOOD AVE MONTREAL QUE	B SC 3 RE 3 7071
TRISCHUK JOHN MICHAEL 454 BRIXTON AVE ST LAMBERT QUE	B ENG PHY 3 OR 1 0407
TROSSMAN BERNARD 3185 ELLENDALE AVE MONTREAL QUE	MED DIPL 1 RE R 2769
TROTTIER MICHEL ANDRE J 6003 WILDERTON AVE MONTREAL QUE	B ENG 2 RE R 0757
TRUMAN JAMES C 3570 RIDGEWOOD AVE MTL 50 STARK KNOLL PL OAKLAND 18 CALIF USA	MD CM 1
TRUMP RONALD STEPHEN 447 BALL AVE APT 14 MONTREAL QUE	B ENG CH 4 CR 9 6192
TRUNKEY FRANKLIN MCATEE 3654 HUTCHISON ST MTL W 469 SHOSHONE PL SPOKANE 41 WASH U S A	MD CM 3 VI 5 4468
TRUSSLER PETER D H DIOCESAN THEO COLL 824 BOURKE ST NORTH BAY ONT	B ARCH 1
TSAI YUAN MIAO ALBERT 3549 LORNE AVE MTL 204 PRINCE EDWARD RD 3RD FLOOR KOWLOON HONG KONG	B SC 1
TSANG CHARLES PAK WAI 3617 LORNE CRES RM 4 MTL 2 KAI YUEN TERRACE 2ND FL NORTH POINT HONG KONG	B SC 2
TSAO JULIA IMELDA MARIA ROYAL VICTORIA COLLEGE 4 PERKINS RD HONG KONG	B SC 3 VI 2 0265
TSAO SHANG 125 WESTMINSTER N MTL 27 CANAL RD WEST TOP FLOOR HONG KONG	B ENG 2 HU 6 0600
TSCHUDI JURG L E 538 PRINCE ALBERT ST W MAXIMO ABRIL 552 LIMA PERU	B COM 2 VI 9 0674
TSO LIANG 125 WESTMINSTER N MTL 27 CANAL RD WEST TOP FL HONG KONG	B SC 1 HU 6 0600
TUCHNER MARCEL 5820 HUTCHISON ST MONTREAL 8, QUE	B ENG 2 CR 1 0783
TUCKER CLAIRE 4538 OXFORD AVE MONTREAL QUE	M S W 1 HU 4 3304
TUCKER CLIFFORD ELRIE 3554 STE FAMILLE APT 1 5 PRESCOTT ALLEY PORT OF SPAIN TRINIDAD B W I	MD CM 2 VI 2 4027
TUCKER ERIC CLINTON 3602 DUROCHER ST APT 6 NO 5 PRESCOTT ALLEY EAST DRY RIVER PORT OF SPAIN TRINIDAD T W I	MD CM 2 VI 5 3002
TUCKER HELEN GLEN 352 KENSINGTON AVE WESTMOUNT QUE	B A 4 WE 5 7797
TUCKER JOHN ARTHUR 135 KENASTON ST TOWN OF MT ROYAL QUE	B A 1 RE 9 0340
TUCKER LEONARD G 5757 WOLSELY AVE COTE ST LUC QUE	B A 1 HU 4 4324
TUCKER NORMA JANE 135 KENASTON AVE TOWN OF MT ROYAL QUE	B SC N 3 RE 9 0340
TUCKER RAE ENID 3602 DUROCHER ST APT 6 NO 5 PRESCOTT ALLEY EAST DRY RIVER PORT OF SPAIN TRINIDAD T W I	B A 4 VI 5 3002
TUCKER WILLIAM ROBERT 4538 OXFORD AVE MONTREAL QUE	B ENG MCH 4 HU 4 3304
TULCHINSKY ALEXANDRA ALA 3221 FOREST HILL AVE APT 24 MONTREAL 26 QUE	B A 3 RE 1 5826
TULCHINSKY GERALD J J 3512 DUROCHER ST MTL 176 ST GEORGE ST BRANTFORD ONT	M A 1 VI 4 0455
TULK GERALD A 3473 UNIVERSITY ST MTL P O BOX 134 MANSONVILLE QUE	PARTIAL
TUMAS STANLEY RAYMOND 5950 25TH AVE MONTREAL 36 QUE	B ENG 2 RA 1 6190
TUNSTALL ANTHONY JOHN 3244 GOYER ST APT 3 MONTREAL 26 QUE	3 TCHRS
TUNSTALL KENNETH 3456 BEACONSFIELD AVE MONTREAL 28 QUE	B SC 3 HU 4 6889
TURCOTTE JEAN PAUL 353 LACASSE ST EASTVIEW ONT	B ENG MCH 5
TURCOTTE MICHAEL L 3747 LACOMBE AVE MONTREAL QUE	B C L 1 RE R 5382
TURCOTTE RICHARD FRANKLIN 3511 PEEL ST MTL AMBASSADE DU CANADA 15 HASPELGASSE BERNE SUISSE	B A 4 VI 4 4777
TURGEL JACK 4913 SHERBROOKE ST W MONTREAL QUE	B SC 2 HU 6 3166
TURGEON JEAN CLAUDE 452 MOUNT STEPHEN AVE MONTREAL 6 QUE	M SC 2 WE 7 2651
TURIANSKI CHRISTIAN RENE 1411 PLESSIS ST MONTREAL QUE	B A 2 LA 2 0121
TURKENIK MARLENE FRANCES 5035 MIRA RD MONTREAL QUE	B A 2 HU 6 2575
TURNBULL ALAN DAVID M 778 CANORA RD TOWN OF MT ROYAL QUE	MD CM 2 RE 1 4716
TURNBULL DAVID I 2990 GLENCOE AVE MONTREAL 16 QUE	MD CM 1 RE R 5960
TURNBULL DOROTHY MARGARET ROYAL VICTORIA COLLEGE 142 TRUDEAU BLVD BEAUHARNOIS QUE	B A 2 VI 2 0847

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TURNBULL JANET ELIZABETH ROYAL VICTORIA COLLEGE 142 TRUDEAU BLVD BEAUHARNOIS QUE	B SC 4 VI 2 0526
TURNER ALLAN CECIL 1091 BEATTY AVE VERDUN QUE	B COM 2 PO 8 0426
TURNER JOAN VIRGINIA STEWART HALL 26 CHARLTON AVE EAST HAMILTON ONT	B SC H EC 3
TURNER MARY LOVELACE ROYAL VICTORIA COLLEGE 476 ARROWHEAD RD PORT CREDIT ONT	B A 2 VI 2 0265
TWIDALE VALERIE JOY ROYAL VICTORIA COLLEGE 262 RUA ALFREDO ELLIS APT 3 SAO PAULO BRAZIL SOUTH AMERICA	B A 1 VI 4 0675
TYL JOHANNES W K 3440 RIDGEWOOD AVE APT 44 MONTREAL QUE	MED DIPL 1 RE 1 2543
TYMNSKI ANDREW 2066 JEANNE MANCE ST MONTREAL QUE	PH D 4
TYRRELL RAOUL 3513 UNIVERSITY ST MTL DOCK HILL DEVONSHIRE WEST BERMUDA	B ENG EL 4 VI 9 5946

U

U SHAM KEUNG KEVIN 484 PRINCE ARTHUR ST MTL 97 HILL RD GR FL HONG KONG	B ENG 1
UDD JOHN EAMAN 1444 REDPATH CRES MONTREAL 25 QUE	B ENG MI 5 VI 9 4993
UDEN DAVID E 2317 GRAND BLVD MONTREAL 28 QUE	MD CM 1 HU 4 2835
UDITSKY JOAN LINDA 36 SUMMIT CRES MONTREAL QUE	B A 2 HU 1 5044
UETE TETSUO 3541 SHUTER ST MTL KITAJIMA IWAKURA NIWAGUN AICHI JAPAN	M SC 2 VI 2 0892
UFFORD JOHN RUSSELL 110 GARDEN CRES APT 14 DORVAL QUE	PH D 3 ME 1 6970
UGOJI SAMUEL NLEMCHUKHU 3421 SHUTER ST MTL 19 HOSPITAL ROAD PORT HARCOURT NIGERIA	MD CM 4 VI 4 5550
ULRICH ALLAN 4426 CIRCLE RD MONTREAL QUE	B A 2 RE 3 4391
ULRICH GARY STANLEY 611 ST GERMAIN AVE OUTREMONT QUE	B A 2 RE 3 6266
UNDERDOWN BRIAN JAMES 244 HECTOR ST ROSEMERE QUE	B SC 1
UNDERHILL JANET E STEWART HALL 114 BROWNSBURG RD LACHUTE QUE	P E DIP 1
UNG ALBAN YOU MING 4873 HUTCHISON ST MTL 1240 STANLEY ST MONTREAL QUE	PH D 3 CR 1 9523
UNGERSON DANIEL BOX 24 MACDONALD COLLEGE QUE	H S D DIP
UNIAT DANIEL BOHDAN 7516 QUERBES AVE MONTREAL QUE	B ENG CIV 4 CR 4 7372
UPHOFF DEAN F DOUGLAS HALL 524 JOHNSON ST MINONH ILLINOIS USA	MD CM 1 VI 4 4578
URQUHART GLEN 1441 DRUMMOND ST MONTREAL QUE	M SC 1 VI 9 8270
URTNOWSKI ELIZABETH 5215 COTE ST CATHERINE MONTREAL QUE	M S W 1 RE 3 8630
USHER DAVID R 3185 ELLENDALE APT 6 MONTREAL QUE	MD CM 4 RE 7 8127
USHER JONATHAN DAVID 378 LANSDOWNE AVE WESTMOUNT QUE	B A 4 WE 7 3179
USHER MICHAEL S 7 RENFREW AVE WESTMOUNT QUE	MD CM 1
USHER PETER JOSEPH 4647 UPPER ROSLYN AVE MONTREAL QUE	B A 1 HU 6 2088
UTSAL JACK 5340 ST IGNATIUS AVE MONTREAL 29 QUE	B ENG PHY 3 HU 8 6228
UTTARO DAVID BRITTAIN HALL R R 2 CHAMBLY QUE	2 TCHRS

V

VACHMAN MORDECAI 5330 WAVERLY ST MONTREAL QUE	B ENG 2 CR 9 6691
VACHON GUY HENRI 1934 DU BOIS MONTREAL 20 QUE	B ENG CIV 3 PO 6 6627
VADASZ LESLIE 5180 QUEEN MARY RD APT 11 MONTREAL QUE	B ENG PHY 3 HU 9 7669
VAFIADAKIS MICHAEL 400 SHERBROOKE ST E APT 207 MONTREAL QUE	PARTIAL AV 8 5833
VAILLANCOURT JEAN CLAUDE 195 PARC AVE LAVAL DES RAPIDES QUE	B ENG CIV 3
VAILLANCOURT JOSEPH L C 244 SHERBROOKE ST E APT 27 MTL 495 PASTEUR ST JONQUIERE QUE	B COM 1 VI 4 0832
VAINSTEIN ELLA 4585 DUPUIS AVE APT 16 MONTREAL QUE	B A 1 RE 3 5143
VALCIC ANTE MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
VALDMANIS AGNAR 574 ROSLYN AVE MONTREAL QUE	B SC 1 HU 4 0712
VALDMANIS GUNDARS 574 ROSLYN AVE MONTREAL QUE	B SC 2 HU 4 0712
VALENTIN ROBERT WILLIAM 6308 GODFREY AVE MONTREAL 28 QUE	B ENG 2 HU 6 1750

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NAME ADDRESS	COURSE & YEAR TEL. NO.
VALENTINE MARGARET HAZEL 138 FILION ST STE ROSE CO LAVAL QUE	B A 1
VALENTINE MAURICE C B 3506 UNIVERSITY ST MONTREAL QUE	B ENG 1
VALIA URMILA B 11665 LAVIGNE CARTIERVILLE QUE	PARTIAL RI 8 7146
VALIN JEAN MARIE VIANNEY 4701 EARNSCLIFFE AVE MTL 300 STE FAMILLE CHICOUTIMI QUE	B ENG MET 3 HU 8 4427
VALIQUETTE MAXINE F 238 GLENGARRY MONTREAL 16 QUE	B A 1 RE 7 4620
VALLERAND CLAUDE 3539 HUTCHISON ST MTL 565 GRANDE ALLEE E QUEBEC CITY QUE	B ENG EL 4 VI 5 8791
VALOIS DANAT MACDONALD COLLEGE 1669 ST PHILIPPE TROIS RIVIERES QUE	B SC AGR 1
VALOIS JEAN PIERRE 35 RONALD DR APT 5 MONTREAL WEST QUE	B ENG CIV 4 HU 6 2203
VALOIS JOSEPH Y 1291 BROWN BLVD VERDUN 19 QUE	B ENG 1 PO 6 4010
VAMOS EDWARD GEORGE 3851 UNIVERSITY ST MTL R R 4 BRANTFORD ONT	B SC 2 VI 4 1406
VAMPLEW DARRAGH 3025 SHERBROOKE ST APT 42A MONTREAL QUE	B A 3 WE 2 9160
VAN GEORGE PAUL DOUGLAS HALL 189 RADIN RD ARVIDA QUE	B SC 2 AV 8 2028
VANAGAS JOSEPH CHARLES 6317 DES ECORES ST MONTREAL QUE	B ENG EL 3 RA 1 4460
VAN ALSTYNE HUGH MORTON PRESBYTERIAN COLLEGE 1125 EVERGREEN AVE PLAINFIELD N J USA	B ENG CH 5 VI 2 4492
VAN ALSTYNE WILLIAM B 545 PINE AVE MTL 1125 EVERGREEN AVE PLAINFIELD N J USA	MD CM 4
VAN DE KERCHOVE JEAN JOHN 7000 SHERBROOKE ST W MTL 2 AVE BRUGMANN BRUSSELS BELGUIM	M A 1 VI 4 0657
VAN DE WETERING HYLKE MACDONALD COLLEGE HAMELUM 64 THE NETHERLANDS	B SC AGR 4
VANDEN BERGH RICHARD L 495 PRINCE ARTHUR ST W APT 27 MONTREAL QUE	MD CM 4 VI 5 7393
VAN DER BELLEN LIANA I 3450 DUROCHER ST APT 25 MONTREAL QUE	M L S 3 VI 9 4317
VAN DER BRUG BENOIKS W MACDONALD COLLEGE BAS BACKERLAAN 10 APELDOORN HOLLAND	B SC AGR 3
VANDERPOOL EUGENE 54 SOUIDIAS ST ATHENS GREECE	B SC 1
VANDERWOLF CORNELIUS H 539 PRINCE ARTHUR W MTL GLENEVIS ALTA	M SC 1 VI 9 3407
VAN DUZER MARGARET L 1041 DUNRAVEN RD MONTREAL 16 QUE	B ED 4 RE 8 4626
VAN ERMENGEN MARINA 4125 ESPLANADE AVE MONTREAL QUE	M A 1 VI 5 0848
VAN GELDER NICO MICHEL 4796 VICTORIA AVE MONTREAL QUE	PH D 3 HU 9 5128
VANIER JACQUES P 10688 CHAMBORD MTL RIGAUD CO VAUDREUIL QUE	M SC 1 DU 1 6186
VAN INGEN ROBERT 3434 MCTAVISH ST MONTREAL QUE	B SC 3 VI 2 4492
VAN OOSTROM CORNELIS A BRITTAIN HALL ZANDWEG 10 DE MEERN HOLLAND	B SC AGR 3
VAN PELT JACQUES A MACDONALD COLLEGE MUNNIKHOF DEEST GLD THE NETHERLANDS	B ED P ED 2
VAN WALBEEK WILHELMINA 3480 ONTARIO AVE MONTREAL QUE	B SC 4 VI 2 0044
VANSCHIE MARINUS R 640 26TH AVE APT 2 POINTE AUX TREMBLES QUE	B ENG CIV 4 MI 5 0982
VARDANIS ALEXANDRE 7000 HUTCHISON ST APT 5 MONTREAL QUE	PH D 3 CR 7 3781
VARGA LASZLO 3574 SHUTER ST MTL 326 MAIN WINCHESTER MASS U S A	MD CM 4
VARGAS ROBERTO 3485 MCTAVISH ST MTL APARTADO 1785 SAN JOSE COSTA RICA CENTRAL AMERICA	B SC 1 VI 4 0424
VARI CLARA 3410 BEDFORD APT 3 MONTREAL QUE	B ARCH 6 RE 1 5936
VARMA MAITHILI SARAN 546 MILTON ST APT 2 MONTREAL QUE	M SC 1 VI 4 9115
VARVARO ANGELO ANTHONY 8375 QUERBES AVE MONTREAL QUE	B ENG CIV 3 CR 6 7427
VARVIS CHRISTOPHER J 3615 RIDGEWOOD AVE APT 403 MONTREAL QUE	M SC 1 RE 3 1917
VASILKIOTI ALEXANDER 6153 DUROCHER ST OUTREMONT QUE	B COM 2 CR 6 8746
VASOS PETER 424 ST JOSEPH BLVD W OUTREMONT QUE	B ENG MCH 3 CR 9 3876
VAUCROSSON NOEL VICTOR A 3538 HUTCHISON ST MTL 88 BELMONT CIRCULAR RD PORT OF SPAIN TRINIDAD T W I	B ARCH 3 VI 9 0611
VAUGHAN RODNEY E 3482 MCTAVISH ST MTL P O BOX 171 WOLFVILLE N S	B A 3 VI 4 0589
VAUTIER ROSEMARY A 1523 DUCHARME AVE OUTREMONT QUE	H S D DIP CR 2 5434
VAUTOUR JOHN BAPTIST J 4520 COLONIAL AVE MONTREAL QUE	B ENG CIV 5

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VEACH ROBERT H 3865 RACHEL E APT 9 MTL 227 LEIGH RD NORTH KAMLOOPS B C	B ENG CH 5 CL 9 8811
VEGH LADIS JULIAN 8629 BIRNAM ST MONTREAL 15 QUE	B COM 3 CR 9 3564
VEITCH BEVERLEY A 1869 DORCHESTER ST W MTL 265 BRISCOE ST LONDON ONT	PARTIAL WE 2 1146
VENDITTI GIACINTO G 2565 DARLING ST MONTREAL QUE	B ENG 2 LA 6 6966
VENEZIAN GIULIO VITALE S 3558 LORNE AVE APT 8 MTL P O BOX 458 QUITO ECUADOR	B ENG PHY 4 VI 9 1589
VENGROFF CAROL V 363 MAYOR ST APT 25 MONTREAL QUE	3 TCHRS VI 5 2771
VENIS HELEN FRANCES 4514 CIRCLE RD MONTREAL QUE	B A 2 RE 7 0409
VENNEMA ALJE 3471 HUTCHISON ST MTL 2120 WELLINGTON AVE BURLINGTON ONT	MD CM 1 VI 5 4861
VENT MARTA 18 WEREDALE PARK WESTMOUNT QUE	B N 1 WE 2 0513
VENYAH KOMLA LAWRENCE 3542 SHUTER ST MONTREAL 18 QUE	B ENG 1
VERRANDO CARLOS A WILSON HALL LOS FICUS 355 SAN ISIDRO ORRANTIA LIMA PERU	B ENG 1
VERREAULT MARC ALBERT 485 SHERBROOKE ST W MTL 73 D AUTEIL ST QUEBEC CITY QUE	B ENG MI 3 VI 5 0734
VERRIER WILLIAM LAWRENCE 3260 RIDGEWOOD AVE APT 16 MONTREAL QUE	B A 3 RE 7 5654
VERTES GABOR 3275 BARCLAY AVE APT 9 MONTREAL QUE	B SC 3 RE 1 5639
VERWAAY HENDRIK A DOUGLAS HALL C O MADSEN EXP IMP S A PORT AU PRINCE HAITI	B COM 3 VI 4 0977
VESELY JOSEPH BOX 135 MACDONALD COLL 600 BEATTY AVE VERDUN QUE	B SC AGR 4
VEVERKA JOSEPH FREDERICK DOUGLAS HALL 1632 W 22ND ST DES MOINES IOWA U S A	MD CM 4
VEZINA JEAN LORRAIN 6196 HUDSON RD MONTREAL 26 QUE	MED DIPL 1 RE 1 0687
VICAS ALEXANDER GEORGE 5915 12TH AVE MONTREAL 36 QUE	B COM 3 RA 2 6134
VICKERS WILLIAM WARD 3570 RIDGEWOOD AVE MTL 3830 JOTHAM PL LONG BEACH CALIF USA	PH D 2 RE 3 4877
VICTOR EDWARD 3102 BRIGHTON AVE MONTREAL QUE	B COM 2 RE 8 1433
VICTOR ISAAC A 3579 SHUTER ST MONTREAL QUE	B COM 2 VI 9 8287
VIDETIC MARTIN 4455 LA SALLE BLVD MTL 10 B AVE NORANDA QUE	B ENG MCH 5 PO 9 3076
VIKANDER LARS ERIK 69 FRANKLIN AVE MONTREAL 16 QUE	B ENG 2 RE 1 1076
VILLANI DANTE ANTHONY R 418 PINE AVE W MTL 270 WHITE ST SPRINGFIELD 8 MASS U S A	D D S 2 VI 5 8798
VINARIC JOSEPH 3540 COTE ST CATHERINE APT 3 MONTREAL QUE	B SC 3 RE 3 0324
VINE CAROLYN ANN MACDONALD COLLEGE 11 BRIDGE ST E NAPANEE ONT	B SC H EC 4
VINE GOLDIE SYLVIA 5220 VICTORIA AVE APT 9 MONTREAL QUE	PARTIAL RE 7 0316
VINEGAR BEVERLY 58 COURCELETTE AVE OUTREMONT QUE	B A 1 CR 9 2982
VINEY LOLA EDITH B MACDONALD COLLEGE 169A LAURIER AVE BOURLAMAQUE QUE	B SC H EC 4
VINEY MARIE BELLE YVETTE STEWART HALL 169A LAURIER AVE BOURLAMAQUE QUE	B SC H EC 3
VINGER IRVING 5615 RANDALL COTE ST LUC QUE	B A 1 HU 6 4002
VIRBALL VICTOR G 7075 STUART AVE MONTREAL QUE	B ENG 1 CR 4 8209
VISPO RAÚL HORACIO 3501 PEEL ST APT 5R MTL SANTA FE 2189 BUENOS AIRES ARGENTINE	MED DIPL 4 VI 5 4321
VIVIAN DOUGLAS ALAN 3569 ST FAMILLE ST MTL STANSTEAD QUE	B ENG CH 4 VI 2 2896
VLAHOS JOHN 681 JARRY W APT 1 MONTREAL 15 QUE	B ENG EL 3 CR 6 2324
VODSTRCIL PETER GEORGE 1509 SHERBROOKE ST WEST MONTREAL 25 QUE	B A 1 WE 2 2936
VOGEL ROBERT 5809 COOLBROOK AVE MONTREAL QUE	PH D 5 RE 7 0822
VOGEL SILVIA 5809 COOLBROOK AVE MONTREAL QUE	M A 4 RE 7 0822
VOLLO NELS BERGER 1380 OUIMET ST APT 21 BOX 134 CHIBOUGAMAU QUE	M SC 2
VON ALLMEN IRMA C 1227 SHERBROOKE ST W APT 63 MTL CARILLON QUE	B SC N 2 AV 8 5608
VON FIRCKS MONIKA 4934 PONSARD AVE MONTREAL QUE	H S D DIP HU 1 7188
VON ZUBEN FREDERICK G 300 SHERBROOKE ST W MTL 43 NINTEMUTE ST FORT ERIE ONT	B ENG 1 VI 2 0590

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NAME ADDRESS	COURSE & YEAR TEL. NO.
VOORHIS GRETCHEN CHAPIN ROYAL VICTORIA COLLEGE 79 WESTPORT RD WILTON CONN U S A	B A 3 VI 2 0334
VOSS BRIAN ERIC 55 DESLAURIERS AVE ST GENEVIEVE QUE	B ENG 2 MU 4 3057
VOSS HUBERT MARTIN 480 PRINCE ARTHUR ST APT 7 MTL WENDLEBURIE LAKEWOOD RD CHANDLERS FORD HAMPSHIRE ENGLAND	B SC 2 VI 9 2840
VOSS RUTH E 3300 RIDGEWOOD APT 42 MONTREAL QUE	B A 1 RE 3 3525

W

WADDELL JOHN C 3015 GRAHAM BLVD TOWN OF MT ROYAL QUE	B ENG 1 RE 8 8367
WADDELL MARION HELEN MACDONALD COLLEGE BOX 23 METCALFE ONT	B SC H EC 2
WADDELL ROBERT WILLIAM 3015 GRAHAM BLVD TOWN OF MT ROYAL QUE	B SC 3 RE 8 8367
WADDELL RONALD MACDONALD COLLEGE HEMMINGFORD QUE	3 TCHRS
WADE MARGARET R 7009 STUART AVE MONTREAL QUE	3 TCHRS
WADSWORTH DAVID CAMPBELL 159 BROCK AVE N MONTREAL WEST QUE	M C L 4 HU 4 7470
WAGNER LUDWIG P 425 KENASTON AVE TOWN OF MT ROYAL QUE	M A 1 RE 3 4677
WAINBERG ALLAN SANDER 5011 ROSLYN AVE MONTREAL QUE	D D S 4 RE 8 8642
WAINRIB BARBARA 5077 CUMBERLAND AVE MONTREAL QUE	M SC 2 HU 9 5814
WAYSER CYNTHIA R STEWART HALL 892 MAIN ST WEST NORTH BAY ONT	2 TCHRS 1
WAIT PATRICIA ANNE ROYAL VICTORIA COLLEGE 316 JAMES ST SOUTH APT 8 HAMILTON ONT	B A 2 VI 2 0847
WAIT PHILIP ANTHONY 4050 CAGE RD MONTREAL QUE	B A 3 WE 5 2576
WAITE ALLAN ALASTAIR 2066 MANSFIELD ST MTL LAMBS RIVER P O JAMAICA B W I	B COM 1
WAJS ISAAC 2773 LANCASHIRE RD CLEVELAND 6 OHIO U S A	B ENG EL 4
WAKSBERG ARMAND L 8223 QUERBES AVE MONTREAL QUE	M SC 1 CR 2 0830
WALCOTT EDWARD K MACDONALD COLLEGE THE ROCK ST MICHAEL BARBADOS T W I	B SC AGR 2
WALCOTT MICHAEL JAMES 10 BURTON AVE WSTMT ROCK SPOONERS HILL ST MICHAEL BARBADOS T W I	B COM 1
WALDRON KEITH CLIFFORD 44 12TH AVE ROXBORO QUE	B ENG EL 4 MU 4 2776
WALDRON MARK WOODSWORTH MACDONALD COLLEGE EAST CLIFTON QUE	B SC AGR 4
WALKER ALLAN MALCOLM MACDONALD COLLEGE 527 LOGAN ST ST LAMBERT QUE	B SC AGR 3
WALKER BRIAN L 304 VASSAL ST DRUMMONDVILLE QUE	B ENG 1
WALKER CAROLE A STEWART HALL 1320 PASTEUR AVE SILLERY QUE	2 TCHRS 1
WALKER EDWARD R 3395 ELLENDALE AVE APT 1 MONTREAL QUE	PH D 2 RE 1 6360
WALKER FRANK ALEXANDER 5479 DECARIE BLVD APT 4 2478 23RD AVE SAN FRANCISCO 16 CALIFORNIA U S A	MD CM 4 HU 9 2018
WALKER HUGH DOUGLAS 3653 UNIVERSITY ST MTL 20 AVONDALE RD TORONTO 5 ONT	B A 4 VI 5 2738
WALKER JACK MALCOLM 3474 MCTAVISH AVE MTL 317A AMELIA ST CORNWALL ONT	B ENG 2
WALKER JAMES DOUGLAS 4901 MAYFAIR AVE MTL R R 3 CARBONDALE ILL U S A	MD CM 2 HU 1 0685
WALKER JANE DE BRISAY 20 HOLTON AVE WESTMOUNT QUE	PHYSIOTH 2 WE 5 1321
WALKER JOHN G 449 CLARK AVE MTL 19 HILLCREST AVE ST CATHERINES ONT	B ENG 1 WE 2 9295
WALKER LOUIS ASTLEY MACDONALD COLLEGE 10 RETIREMENT RD CROSS ROADS P O JAMAICA B W I	B SC AGR 3
WALKER MARLENE C 5635 2ND AVE MONTREAL 36 QUE	B SC H EC 1
WALKER MARY JUDITH EDEN 23 ANWOTH RD WESTMOUNT QUE	B A 2 WE 2 2441
WALKER MICHAEL BARRY WILSON HALL 3507 VICTORIA AVE REGINA SASK	B ENG PHY 3 VI 4 0624
WALKER NICHOLAS 3407 HUTCHISON ST MTL 55 STERLING RD HARRISON NEW YORK U S A	B SC 1
WALKER PHILIP FREDERICK 3484 PEEL ST MTL OAKWOOD INN GRAND BEND ONT	M A 1
WALKER WILLIAM IMRIE 4060 KENT AVE MONTREAL 26 QUE	B ENG CH 5 RE 8 4497

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WALKINGTON ROBERT L 2355 WALKLEY AVE APT 5 65 HAZELWOOD AVE HUDSON QUE	B ENG PWR 5 HU 1 6969
WALKOVICH PETER 9251 14TH AVE VILLE ST MICHEL QUE	MD CM 4 RA 7 4836
WALLACE DONALD G ST HILDAIRE STATION QUE	M A 3
WALLACE ELIZABETH J ROYAL VICTORIA COLLEGE C O CANADA STARCH CO CARDINAL ONT	B A 1
WALLACE HUGH E MT BRUNO ASSOC ST BRUNO C O CHAMBLY CO QUE	B ENG 1 OL 3 6330
WALLACE JOHN CAMERON 4954 CANNAUGHT AVE MONTREAL QUE	B COM 4 HU 6 3861
WALLACE JOHN KEITH DOUGLAS HALL 37 KIRK ST FARNHAM QUE	B ENG 2
WALLIS ALAN EDWIN 5140 BEACONSFIELD AVE MONTREAL QUE	B ENG 2 HU 1 8751
WALLIS ALEXANDRA HADEN 1321 SHERBROOKE ST W MONTREAL QUE	B A 2 AV 8 5160
WALLIS WILLIAM GERALD 501 PINE AVE W MONTREAL QUE	MED DIPL 1
WALLWORK DAVID GILBERT 73 LAGACE AVE STRATHMORE QUE	B ENG PWR 5 ME 1 8168
WALMARK CARL D W DOUGLAS HALL 160 QUEBEC ST GODERICH ONT	B A 2
WALSH GEORGE ALFRED 5220 BEACONSFIELD AVE MONTREAL QUE	B SC 2 HU 8 3774
WALSH HENRY GEORGE 5095 HAMPTON AVE MONTREAL QUE	B A 1 HU 6 6328
WALSH JULIA S 28 GRANVILLE RD HAMPSTEAD QUE	PARTIAL HU 6 8294
WALSH PAMELA JOAN 13 MAPLE AVE STE ANNE DE BELLEVUE QUE	B SC H EC 4
WALTERS LAWRENCE G 532 PRINCE ARTHUR ST W 248 KING ST E BROCKVILLE ONT	MD CM 1 VI 2 7350
WALTERS VICTOR LLEWELLYN 4598 DECARIE BLVD MTL KING ST HAMILTON BERMUDA	D D S 4 HU 9 4553
WANG PAUL YAO CHEUNG 1441 DRUMMOND ST MTL P O BOX 5628 KOWLOON HONG KONG	B SC 2 VI 9 4171
WARANICA KARL 752 BRAULT AVE VERDUN QUE	B ENG EL 3 PO 7 0472
WARBURTON DOROTHY P 6171 SHERBROOKE ST W APT 16 MONTREAL QUE	M SC 2 HU 1 5449
WARBURTON FREDERICK E 6171 SHERBROOKE ST W APT 16 MONTREAL QUE	B SC 3 HU 1 5449
WARD HEATHER D STEWART HALL 107 STRATFORD RD HAMPSTEAD QUE	2 TCHRS 2
WARD JOAN 546 PINE AVE WEST MONTREAL QUE	PARTIAL
WARD MARGARET ANN 4910 WALKLEY AVE APT 9 MONTREAL 29 QUE	B A 2 HU 4 3741
WARD PAMELA JOYCE 4910 WALKLEY AVE APT 9 MONTREAL 29 QUE	M SC 1 HU 4 3741
WARDY BILHAH 5276 MACMAHON MONTREAL QUE	M A 2 HU 6 9559
WARHAFT ROSALIND EVE 5944 MCLYNN AVE MONTREAL QUE	B SC 2 RE 7 5598
WARK RONALD LACHLAN M 4346 BEACONSFIELD AVE MONTREAL 28 QUE	B ARCH 3
WARNES HECTOR 1025 PINE AVE W MTL RONDEAU 641 CUCUMOA ARGENTINA	MED DIPL 1
WARR BARBARA LUCY LLOYD STEWART HALL 1360 BROWN BLVD VERDUN QUE	B SC H EC 2
WARREN OLGA MARY ROYAL VICTORIA COLLEGE 159 STINSON ST APT 15 HAMILTON ONT	B ED 3 VI 2 0180
WARRINGTON LAURA J 3550 UNIVERSITY ST MTL 226 ADOLPHUS ST CORNWALL ONT	B N 1
WARSHAWSKU HARRIET 4481B ESPLANADE AVE MONTREAL 18 QUE	3 TCHRS VI 5 0358
WASEEM GERTRUD BOX 7 MACDONALD COLLEGE QUE	M A 2
WASELIUS CARLEEN E 1105 CREVIER ST VILLE ST LAURENT QUE	B A 3 RI 7 8280
WASHBURN ETHEL G 1465 CRESCENT ST APT 203 107 WEBER ST S WATERLOO ONT	B L S 1 VI 5 3150
WASHINGTON ROBERT A 3569 LORNE AVE MTL 16 ARLINGTON ST OTTAWA ONT	PH D 5 VI 9 9523
WASILEWSKA CHRISTINE E 61 LESPERANCE ST ST LAMBERT QUE	B C L 3 OR 1 7059
WASSERMAN GORDON JOSHUA 690 SHERBROOKE ST W MTL 513 GROSVENOR AVE WESTMOUNT QUE	B A 4 VI 9 1550
WATANABE GRACE HIROKO ROYAL VICTORIA COLLEGE 949 HALSTON AVE NORTH KAMLOOPS B C	B SC 3 VI 2 0327
WATANABE HIROKO 3237 EVELYN ST MONTREAL 19 QUE	B SC 3 PO 8 5127
WATERHOUSE TIMOTHY K BRITTAIN HALL 6 PERTON GROVE WIGHTWICK WOLVERHAMPTON ENGLAND	B SC AGR 1
WATERMAN NOEL A 23 O CONNELL AVE DORVAL QUE	3 TCHRS ME 1 5473

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WATIER MARGOT CAROL 555 SHERBROOKE ST W MTL 1650 GEORGE ST SHAWINIGAN QUE	B SC 4 VI 2 0477
WATKINS CHARLES G 6715 SOMERLED AVE MONTREAL QUE	B SC 1 HU 4 5474
WATSON DANALD W 57 COLVILLE ST HOWICK QUE	B SC AGR 4
WATSON JAMES IAN 5251 HINGSTON AVE APT 1 MONTREAL QUE	MD CM 3 HU 8 6404
WATSON JOHN A 3653 UNIVERSITY ST MTL 1620 16TH ST E CALGARY ALTA	B SC 4 VI 2 2073
WATSON JOHN RALPH 49 13TH AVE SOUTH LAVAL WEST QUE	PARTIAL
WATSON JOHN STUART PRESBYTERIAN COLLEGE 2 WINTER PLACE ST JOHN S NFLD	B ENG CIV 4
WATSON MARY F 3638 DUROCHER ST APT 3 3580 DONCASTER DR VICTORIA B C	B N 1 VI 5 0081
WATSON ROBERT ANTHONY 3433 DUROCHER ST APT 2 69 LADY MUSGRAVE RD KINGSTON 10 JAMAICA B W I	B ENG CIV 3 VI 2 2489
WATSON ROBERT LESTER R R 1 STE ANNE DE BELLEVUE QUE	B SC AGR 2
WATSON ROSS W ST IGNACE DE STANBRIDGE QUE	B ENG 1
WATT ANDREW TENNANT BRITTAIN HALL BOX 309 CHATEAUGUAY BASIN QUE	B SC AGR 4
WATT ROBERT DEAN BARNEY 1381 UNIVERSITY ST MTL 315 PHANEUF ST ST JOHNS QUE	B ENG 2 VI 6 1368
WATTERS WENDELL WALLACE 695 LAURENTIAN BLVD APT 4 VILLE ST LAURENT QUE	MED DIPL 2 RI 7 9300
WATTS HOWARD N BRITTAIN HALL 38 BROADVIEW AVE VALOIS QUE	B ED P ED 2
WATTS JUNE FLORENCE 2087 ST LUC ST APT 11 186 WAVERLEY ST APT 3A OTTAWA ONT	M S W 2 WE 2 0745
WAX FRED 5585 BORDEN AVE COTE ST LUC QUE	B COM 4 HU 4 8926
WAX HERBERT LIONEL 543 CHESTER AVE TOWN OF MT ROYAL QUE	B ENG EL 4 RE 8 2855
WAXMAN MARVIN BENJAMIN M 5342 MACDONALD AVE MONTREAL QUE	B SC 4 HU 6 2029
WEARING JOHN ROBERT 17 ABBOTSFORD AVE CHATEAUGUAY BASIN CUTLER ONT	B ENG 2
WEARY ROBERT FREDERICK 3485 MCTAVISH ST MTL ANNAPOLIS ROYAL N S	B ENG CH 5 VI 9 0141
WEARY WILLIAM ALFRED 4205 HINGSTON AVE MONTREAL QUE	M A 2 HU 4 2077
WEAVER OLIVER K 12 OLDFIELD AVE APT 350 NATAL B C	D D S 1 WE 3 7163
WEAVER RALPH SHERMAN 3660 HUTCHISON ST APT 2 DOAKTOWN N B	M SC 3 AV 8 4658
WEAVER WILLIAM S 3565 COTE DE NEIGES MTL 188 ROXBOROUGH DR TORONTO 5 ONT	B COM 3 WE 5 1309
WEBB BARBARA MARION MCLENNAN HALL SHERWOOD PARK ROCKINGHAM STN N S	PHYSIOTH 3 VI 2 0044
WEBB DAVID CHARLES N 34 LAKESHORE RD BEACONSFIELD QUE	B A 4
WEBER BARBARA 741 STUART AVE OUTREMONT QUE	B A 2 CR 7 8809
WEBER EDMUND J 4580 BARCLAY AVE MONTREAL QUE	B ENG 1 RE 1 0680
WEBERSPIEL MAX 4859 HUTCHISON ST MONTREAL QUE	B ARCH 4 CR 9 0501
WEBSTER DESMOND MAURICE MONTREAL CHILDRENS HOSP TUPPER ST MONTREAL 25 QUE	MED DIPL 4
WEBSTER ELEANOR IRENE 75 BALLANTYNE AVE N MONTREAL W QUE	B SC N 3 HU 4 8661
WEBSTER SUSAN MURIEL 621 CLARKE AVE WESTMOUNT QUE	B COM 2 WE 3 2820
WECHSER ANN 4755 PLAMONDON APT 305 MONTREAL QUE	M SC 2 RE 7 7746
WEDGWOOD JOHN JULIAN 3466 SHUTER ST APT 404 MONTREAL QUE	B COM 2 VI 4 9817
WEEKS WILLIAM R 3 LOGAN ST ST LAMBERT QUE	H S D DIP OR 1 6952
WEINBERG EDWARD 268 ST JOSEPH BLVD W MONTREAL 8 QUE	B SC 2 CR 7 7294
WEINBERG YONAH LUCILLE 4617 HUTCHISON ST APT 11 MONTREAL QUE	B SC 3 CR 2 5518
WEINER ROSE 517 DAVAAR AVE MONTREAL 8 QUE	PARTIAL CR 2 3788
WEINLANDER GERARD HENDRIK 3660 DUROCHER ST APT 10 11365 ROSALIE ST MONTREAL 9 QUE	D D S 2 VI 9 5914
WEINSTEIN FREDERICK 4710 DECARIE BLVD APT 42 MONTREAL QUE	B ENG MCH 4 HU 8 2027
WEINSTEIN PAUL RAPHAEL 5470 MOUNTAIN SIGHTS MONTREAL QUE	B SC 1 HU 6 8983
WEINSTEIN STEPHEN MAURICE 3483 PEEL ST MTL 670 ARGYLE ST SHERBROOKE QUE	B COM 2 VI 2 0882

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WEIR BRYCE KEITH A 2550 GRANBY PL APT 302 MONTREAL QUE	MD CM 3 CL 6 2276
WEIR DUNCAN A BRITTAIN HALL 1083 1ST AVE VERDUN QUE	H S D DIP
WEISER REGINALD 644 WISEMAN AVE OUTREMONT QUE	B ENG 1
WEISS ABRAHAM 1440 BERNARD W APT 12 MONTREAL QUE	M SC 2 CR 4 8070
WEISS FRED MORRIS 2855 BEDFORD RD MONTREAL 26 QUE	B ENG 2 RE 1 5703
WEISS GABRIELLE C 3051 8TH ST LABORD A PLOUFFE QUE	MED DIPL 1
WEISS GEORGE RUPRECHT A 4200 DUPUIS AVE APT 12 MONTREAL 26 QUE	B ENG CH 4 RE 1 6378
WEISSHUHN PETER 2 CANTERBURY PARK POINTE CLAIRE QUE	B ENG 2
WEISSMAN HORIA 7921 WAVELL RD CITY OF COTE ST LUC QUE	B A 2 HU 8 3018
WEISZ ELAINE 5951 PARK AVE MONTREAL QUE	B SC 4 CR 7 7408
WEISZ JOSEPH 5625 PARK AVE APT 2 MONTREAL QUE	B ENG 2 CR 4 4965
WELBOURN PATRICIA M ROYAL VICTORIA COLLEGE 11032 125TH ST EDMONTON ALTA	B A 3 VI 2 0847
WELCH DONALD ERNEST 3508 DUROCHER ST MTL 466 RIVERDALE AVE OTTAWA ONT	B ENG CIV 3
WELCH SUZANNE E MACDONALD COLLEGE 725 ISLAND PARK DR OTTAWA 3 ONT	B SC H EC 1
WELCHNER MATTHIAS 8995 DE REIMS ST MONTREAL QUE	B ARCH 6 DU 8 2887
WELDON PETER ROBERT 288 DE L EPEE AVE OUTREMONT QUE	B SC 4 CR 9 2088
WELDON PHYLLIS EDITH 288 DE L EPEE AVE OUTREMONT QUE	B A 2 CR 9 2088
WELL ARNOLD D 3420 PEEL ST MTL 1505 33RD AVE S W CALGARY ALTA	B SC 2
WELLEN MORTON FRANK 866 DOLLARD AVE OUTREMONT QUE	B ARCH 3 CR 9 0364
WELLER SYDNEY LESLIE 5739 ESPLANADE AVE MONTREAL QUE	B SC 1 CR 1 6377
WELLS DONALD BEN 1240 DECARIE BLVD MTL 4660 RIVER ST WILLOUGHBY OHIO U S A	MD CM 4 RI 4 0090
WELLS SYDNEY A 419 PRINCE ARTHUR W MTL P O BOX 44 ST GEORGES GRENADA W I	B ENG 1 VI 5 2013
WELTMAN GAIL SUSAN ROYAL VICTORIA COLLEGE 320 RIVERSIDE DR NEW YORK 25 N Y U S A	B A 1
WELTON JULIET STREETT ROYAL VICTORIA COLLEGE 1015 WOODBINE PL LAKE FOREST ILLINOIS U S A	B A 1
WELTZL MARIA A M G 4176 WILSON AVE MONTREAL QUE	B ARCH 1 HU 1 4200
WENNBERG JOHN EGMONT 3657 OXENDEN AVE MTL 2347 CASCADE WAY LONGVIEW WASH U S A	MD CM 2
WERENFELS JUDITH ANN 7 THORNHILL AVE WESTMOUNT QUE	B A 2 WE 5 8086
WERLEMAN MICHAEL GUSTAV 5500 ROSEDALE AVE COTE ST LUC QUE	B ARCH 3 HU 6 8435
WERNECKE HANNS B BRITTAIN HALL 4585 SHERBROOKE ST WEST WESTMOUNT QUE	H S D DIP
WERNER BARBARA ANN 6834 SOMERLED AVE MONTREAL QUE	B A 1 HU 9 2242
WERRY JOHN SCOTT 3626 OXENDEN AVE APT 2A MONTREAL 18 QUE	MED DIPL 1
WERTMAN RUTH 702 DOLLARD BLVD MONTREAL QUE	M S W 1 CR 1 2625
WESHLER PHYLLIS J 5495 TRANS ISLAND AVE MONTREAL QUE	H S D DIP HU 6 5207
WESOLOWSKY STANLEY O 5606 MCALFAR AVE COTE ST LUC QUE	B ENG 1 HU 8 5157
WESTAWAY ANNE WHITLOCK ROYAL VICTORIA COLLEGE 14 INWOOD DR BRANTFORD ONT	B A 3
WESTBURY IAN WALTER 4564 PATRICIA AVE MONTREAL 28 QUE	B C L 2 HU 6 7855
WESTBURY RONALD ARTHUR 4564 PATRICIA AVE MONTREAL 28 QUE	PH D 5 HU 6 7855
WESTMAN HERBERT A J 546 PINE AVE W APT 1 MTL 2593 THE FALLS SHAWINIGAN QUE	B ENG 2 VI 9 1493
WESTON CAMILLA ROYAL VICTORIA COLLEGE 25 SOUTH ST LONDON W 1 ENGLAND	B A 3 VI 2 0327
WEX SAMUEL 1360 BERNARD AVE APT 6 MONTREAL QUE	B A 1 CR 2 8610
WEXLER MARVIN JOHN 4474 CIRCLE RD MONTREAL QUE	B SC 2 RE 8 8224
WEXLER SHEILA 4430 HARVARD AVE MONTREAL QUE	B A 2 HU 6 3048
WHALEN JEAN MARIE ROYAL VICTORIA COLLEGE 22 BAILEY ST LAWRENCE MASS U S A	B SC 2 VI 2 0847
WHALEN JOHN BURTON 3621 LORNE CRES MTL 115 HIGHLAND AVE PIEDMONT CALIF U S A	MD CM 2 VI 4 6086
WHEALY JOHN MICHAEL 3434 MCTAVISH ST MTL 41 ORIOLE PARKWAY TORONTO ONT	PARTIAL VI 2 4492

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WHEELER CLAIRE MAUREEN ROYAL VICTORIA COLLEGE 71 FERN ST LAWRENCE MASS U S A	B SC 2 VI 2 0847
WHELAN DONALD THOMAS 4481 WESTERN AVE MONTREAL QUE	MD CM 2 WE 7 3722
WHELAN MARION C STEWART HALL P O BOX 474 ST JOHNS NFLD	B ED P ED 2
WHITE ENID G P O BOX 94 8 MAPLE ST ST PAUL L ERMITE QUE	PARTIAL
WHITE FRANCES M MACDONALD COLLEGE R R 1 LEEDS VILLAGE QUE	3 TCHRS
WHITE GEORGE FREDERICK 2277 GOYER ST MTL 14 MACKLIN PL ST JOHNS NFLD	B ENG MCH 5 RE 7 4455
WHITE JEAN W STEWART HALL 4332 CORONATION AVE MONTREAL 28 QUE	B ED 2
WHITE NANCY JEAN ROYAL VICTORIA COLLEGE 213 KINGSWAY AVE WINNIPEG MAN	B A 2 VI 2 0495
WHITE NORMAN MARK 5210 CUMBERLAND AVE MONTREAL QUE	B ENG 2 HU 4 8621
WHITE PETER GERALD 3072 THE BOULEVARD MONTREAL 6 QUE	B A 3 WE 7 6934
WHITE ROGER W B 3091 THE BOULEVARD MONTREAL 6 QUE	B A 2 WE 5 0711
WHITE WILLIAM 3609 UNIVERSITY ST MTL 219 HOPE ST N PORT HOPE ONT	M SC 2
WHITE WILLIAM R MACDONALD COLLEGE 142 SHERWOOD DRIVE OTTAWA ONT	B ED P ED 1
WHITEHEAD FREDERICK F 3508 UNIV ST MTL R R 2 KNOWLTON QUE	B SC 1
WHITEHEAD JOHN W 12 OLDFIELD AVE MTL BOX 465 SMITHFIELD N C USA	D D S 2
WHITEHEAD VICTOR MICHAEL 3467 SHUTER ST APT 6 MTL 220 LAKESHORE DR DORVAL QUE	MD CM 4
WHITING LAURENCE VERNON 1965 CONNAUGHT VILLE ST LAURENT QUE	B SC 3 RI 7 7776
WHITING MARY JANE ROYAL VICTORIA COLLEGE POINT OF VIEW CONSTANT SPRING P O JAMAICA T W I	B SC N 2 VI 2 0495
WHITMAN GEORGIA ELIZABETH 135 WESTMINSTER AVE MONTREAL WEST QUE	B A 2 HU 6 9728
WHITNEY ALEXANDER 590 OUTREMONT AVE APT 46 MONTREAL QUE	B SC 1 CR 4 7827
WHITNEY DONALD DAVID A 3473 UNIVERSITY ST MTL ABBOTSFORD QUE	B C L 2
WHITNEY PETER ROBERT P MACDONALD COLLEGE BOX 100 ABBOTSFORD QUE	B SC AGR 3
WHITTAKER GERALD FITZROY 3594 ST FAMILLE ST MONTREAL QUE	B A 3 AV 8 9713
WHITTAKER HYACINTH V 4535 GRAND BLVD APT 4 DARLISTON JAMAICA T W I	PARTIAL HU 4 6397
WHITTAKER WILLIAM G 5374 COOLBROOK AVE MONTREAL 29 QUE	B ENG 1 HU 9 1203
WHITTALL ALAN C 76 ST LOUIS AVE BEAUREPAIRE QUE	B ED 1
WHITTALL ANTHONY E 76 ST LOUIS AVE BEAUREPAIRE QUE	B ED 1
WHITTALL PHILIP 76 ST LOUIS AVE BEAUREPAIRE QUE	B ENG COM 5
WHITTEMORE NEWELL BLAIR 135 NORTHVIEW AVE MONTREAL WEST QUE	MD CM 3 HU 9 7685
WICKENDEN JOHN FRENCH 3434 MCTAVISH ST MTL 363 ST FRANCIS XAVIER ST THREE RIVERS QUE	B ENG CIV 5 VI 2 4492
WICKS PATRICIA A 1819 LINCOLN AVE MONTREAL QUE	B L S 1 WE 7 3113
WIEGAND FREDERICK MARTIN 1389 REDPATH CRES MONTREAL QUE	MD CM 3 VI 2 4738
WIENS RODNEY DAVID DOUGLAS HALL 701 E PUTMAN PORTERVILLE CALIF U S A	MD CM 2 UN 6 8441
WIESENFELD BARRY JOSEPH 4055 GREY AVE MONTREAL 28 QUE	B ENG CH 3 HU 6 7591
WIESENFELD MARCUS JACOB 4055 GREY AVE MONTREAL 28 QUE	B C L 2 HU 6 7591
WIESTNER ELEANOR L 5648 JEANNE MANCE MONTREAL QUE	M A 1 CR 2 3222
WIGHTON DONALD GORDON 4322 OXFORD AVE MONTREAL QUE	B COM 4 HU 1 6501
WIGLE GERALD E DOUGLAS HALL 164 MILL ST WATERDOWN ONT	B COM 1
WIGRAM PETER HALLAM 2044 UNION AVE APT 3 MONTREAL QUE	B A 2 AV 8 7613
WIJESINHA SAMSON SENA 3255 GOYER ST APT 14 MONTREAL 26 QUE	L L M 1 RE 3 2392
WILANSKY MELVIN 345 DUFFERIN RD MONTREAL QUE	B COM 3 HU 4 6365
WILCOCK JOHN BRIAN 546 PINE AVE MTL 512 QUEBEC ST SHERBROOKE QUE	D D S 4
WILCOCK PETER FERGUSON 3681 PARK AVE MTL 512 QUEBEC ST SHERBROOKE QUE	MD CM 4 VI 5 3081

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WILKENS BEVERLY F 51 ST LOUIS AVE LAKESIDE HEIGHTS POINTE CLAIRE QUE	2 TCHRS 1
WILKIE BRUCE D 17 MELBOURNE AVE TOWN OF MT ROYAL QUE	B SC 1
WILKIE DONALD BRUCE 531 LANSDOWNE AVE WESTMOUNT QUE	B C L 2 WE 3 9683
WILKINSON DAVID 8324D GASPE AVE MONTREAL QUE	B D 3
WILKINSON JOAN MARJORIE 5147 EARNSCLIFFE AVE MONTREAL QUE	B SC 2 HU 1 2207
WILKINSON JOHN G 3417 SHUTER AVE APT 2 WYNDCLIFF HIGHGATE GARDEN ST MICHAEL BARBADOS B W I	B COM 1
WILLIAMS BARBARA M STEWART HALL 625 FIRST AVE S KENORA ONT	B ED P ED 1
WILLIAMS BERTRAM MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 2
WILLIAMS DAVID ARNOTT 3975 CAVENDISH BLVD APT 62 MONTREAL QUE	B SC 3 HU 9 2871
WILLIAMS DAVID HOTHERSALE 3656 DUROCHER ST APT 2 SANTANESIA ESTADO DU RIO BRASIL	B COM 3 AV 8 2680
WILLIAMS ELDON STEPHEN V QUEEN ELIZABETH HOSPITAL SCARBOROUGH TOBAGO WEST INDIES	MD CM 3
WILLIAMS FREDERICK S 149 DIEPPE AVE PTE CLAIRE QUE	B SC 1 OX 5 3008
WILLIAMS GERALD BARRY M 3653 UNIVERSITY ST MTL FOUR ACRE BRENCHLEY KENT ENGLAND	B COM 3 VI 2 2073
WILLIAMS GWENYTH L STEWART HALL 4335 MONTCLAIR AVE MONTREAL QUE	B SC H EC 1
WILLIAMS HALLOCK 1500 DECARIE BLVD APT 33 VILLE ST LAURENT QUE	MD CM 2 RI 8 9124
WILLIAMS JAMES GERALD BRITTAIN HALL SITE 6 BOX 22 ST JOHNS W NFLD	PARTIAL
WILLIAMS RICHARD N 102 ARROWHEAD CRES VALOIS QUE	B ED P ED 1
WILLIAMS ROBERT OWEN 434 MERCILLE AVE ST LAMBERT QUE	B COM 3 OR 1 7818
WILLIAMS RONALD F 3975 CAVENDISH BLVD MONTREAL QUE	B ARCH 1 HU 9 2871
WILLIAMS RUSSEL MILES 23 WINDSOR AVE WESTMOUNT QUE	B ENG CH 3 HU 6 8185
WILLIAMS THOMAS ROBERT 418 MORTLAKE AVE ST LAMBERT QUE	B SC 3 OR 1 5157
WILLIAMS TRYON M DOUGLAS HALL 13101 104TH AVE EDMONTON ALTA	B ENG 2

NAME ADDRESS	COURSE & YEAR TEL. NO.
WILLIAMSON HUGH ANTHONY 3609 UNIVERSITY ST MTL GLEN FARM PAWLING NEW YORK U S A	M SC 1 AV 8 6307
WILLIAMSON KATHLEEN ELENA ROYAL VICTORIA COLLEGE APARTADO 3478 HABANA CUBA	B A 2 VI 2 0847
WILLIAMSON NICHOLAS F H DOUGLAS HALL MORTIMER HILL MORTIMER BERKS ENGLAND	B COM 1
WILLIS BARBARA E 3583 DUROCHER ST APT 3 94 TOPSAIL RD ST JOHNS NFLD	B N 1 VI 9 0678
WILLIS CARL BERTRAM MACDONALD COLLEGE CORNWALL P E I	B SC AGR 4
WILLMOTT PATRICIA ANN 7820 DE L EPEE AVE MONTREAL QUE	PARTIAL CR 2 7640
WILLMOTT WM E 7820 DE L EPEE AVE MONTREAL QUE	M A 2 CR 2 7640
WILSON AULZA E L 4397 GRAND BLVD APT 4 MONTREAL 28 QUE	B L S 1 HU 4 4903
WILSON CARL R 1441 DRUMMOND ST MTL BOX 479 HUNTINGDON QUE	B ENG 1
WILSON DAVID A WILSON HALL CANADIAN EMBASSY COPENHAGEN DENMARK	B SC 1
WILSON ELIZABETH VICTORIA 1640 LAJOIE AVE OUTREMONT QUE	M A 2 CR 2 6467
WILSON FREDERICK CHARLES 3300 RIDGEWOOD AVE APT 48 MONTREAL QUE	M A 2 RE 3 7368
WILSON HALFORD MORRIS 7460 GLENWOOD AVE MONTREAL 16 QUE	B ENG 2 RE 8 9588
WILSON HUGH JAMES 110 CLOVERDALE AVE DORVAL QUE	B COM 2 ME 1 3292
WILSON JAMES G 1441 DRUMMOND ST MTL P O BOX 226 KEMPTVILLE ONT	B ENG 1
WILSON JOHN R 47 CLUB AVE DORION QUE	B SC AGR 1
WILSON KATHARINE ANN 55 SELKIRK AVE HUDSON QUE	B SC 1
WILSON KEITH B 3653 UNIVERSITY ST MTL 1 WOODLAND AVE BEAUREPAIRE QUE	B SC 3
WILSON NORMA JEAN 79 MELBOURNE AVE TOWN OF MT ROYAL QUE	B SC 2 RE 7 4362
WILSON ONSLON A 4200 PERRAS ST APT 5 MONTREAL 38 QUE	B SC 3 RA 9 1423
WILSON PAUL H WILSON HALL R D ASBURY N J	B ENG 1
WILSON PHYLLIS GRACE STEWART HALL KEMPTVILLE ONT	B SC H EC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WILSON ROBERT ALEXANDER 3495 PEEL ST MTL 3203 PARKER AMARILLO TEXAS U S A	MED DIPL 3 AV 8 3467
WILSON ROLLA ELLA 1820 MCGREGOR ST APT 310 MONTREAL QUE	MED DIPL 4 WE 5 7343
WILSON SHERRILL J STEWART HALL 387 WATERLOO WINNIPEG MAN	B ED P ED 2
WILSON SUSAN ANN 7460 GLENWOOD AVE MONTREAL 16 QUE	B A 2 RE 8 9588
WILSON WILLIAM E 114 DUFFERIN RD MTL 27 BAILEY ST WATERTOWN MASS USA	MED DIPL 4
WILSON WILLIAM F 5401 DUQUETTE AVE MONTREAL 28 QUE	B COM 1 HU 4 3481
WILSON WILLIAM HENRY M 110 MONTROSE AVE VALOIS QUE	B ENG 2
WINDISCH STEPHEN JOHN 10318 ESPLANADE AVE MONTREAL 12 QUE	B ENG CIV 3 DU 8 0653
WINDSOR PLEYDELL S 687 GRAHAM BLVD TOWN OF MT ROYAL QUE	B A 1 RE 8 9877
WINKLER CARL M 141 EASTON AVE MONTREAL 28 QUE	B A 2 HU 6 1867
WINKLER CAROLE CHRISTINE 141 EASTON AVE MONTREAL 28 QUE	B SC 3 HU 6 1867
WINN CHRISTOPHER J 757 UPPER BELMONT AVE WESTMOUNT QUE	B SC 1 HU 4 4589
WINROW KEITH E 146 PERCIVAL AVE MONTREAL WEST QUE	B COM 1 HU 9 2712
WINSER WILLIAM P 3637 UNIVERSITY ST MONTREAL QUE	B ENG MCH 4 VI 9 1736
WINSHIP ANN STEWART HALL CALLE ROUSSEAU 26 MEXICO CITY	B SC H EC 4
WINSHIP RALPH DAVID 64 ROY AVE VILLE LEMOYNE QUE	PH D 3 OR 1 2791
WIRTH CARL G 2080 JEANNE MANCE ST MONTREAL QUE	D D S 1
WISE RHODA DOROTHY 5032 CLANRANALD AVE MONTREAL QUE	B A 3 HU 8 7348
WISE RICHARD MARTIN 5900 MACDONALD AVE HAMPSTEAD QUE	B COM 2 HU 9 2534
WISE THOMAS FRANK 5445 CAVENDISH BLVD MONTREAL 29 QUE	PH D 3 HU 8 5471
WISEBERG MORTY 2660 BRINTON RD MONTREAL QUE	B ENG 2 RE 1 4045
WISEMAN FRED 4718 CARLTON AVE MONTREAL QUE	B SC 3 RE 3 5549
WISEMAN MIRIAM H 3765 DUPUIS AVE APT 1 490 BURROWS AVE WINNIPEG 4 MAN	PH D 3 RE 8 9719
WISEMAN PHILIP NATHAN 77 SPRING GROVE CRES MONTREAL QUE	B COM 1 CR 2 4923
WITELSON HENRY 3107 LACOMBE AVE MONTREAL QUE	B SC 4 RE 3 1808
WITTENBERG ALICE SANDRA 758 LEXINGTON AVE WESTMOUNT QUE	B A 2
WITTKOWER SYLVIA DOROTHY 363 CLARKE AVE WESTMOUNT QUE	B A 4 WE 3 8166
WITTY FREDERICK M D MACDONALD COLLEGE 393 MUNTANER BARCELONA SPAIN	AGR DIP 1
WLODEK GEORGE K ROYAL VICTORIA HOSPITAL 297 5TH AVE OTTAWA ONT	MED DIPL 1
WOJTOWICH BOHDAN EDWARD 634 SENECAL VILLE LA SALLE QUE	B ENG COM 5 PO 6 7898
WOLANYK MICHAEL ALEXANDER 1152 MANNING AVE VERDUN QUE	B ENG CH 4 PO 7 9127
WOLF ANN C M 5645 15TH AVE MONTREAL 36 QUE	PHYSIOTH 1 RA 7 8571
WOLF KARL GEORGE 5645 15TH AVE MONTREAL 36 QUE	B A 3 RA 7 8571
WOLF MONICA EVA 4365 WESTHILL AVE MONTREAL 28 QUE	B A 1 HU 6 3882
WOLFE AUDREY ANNE 355 GROSVENOR AVE MONTREAL QUE	PHYSIOTH 3 WE 7 1288
WOLFE HOWARD L 3121 TRAFALGAR HEIGHTS MONTREAL QUE	B ENG 1 WE 3 6136
WOLFE NATHAN 4872 JEAN BRILLANT MONTREAL QUE	B ENG MCH 5 RE 7 5418
WOLFF BRUCE R 548 PRINCE ARTHUR ST 168 HAMILTON ST EAST ORANGE N J USA	MD CM 1 VI 2 0877
WOLHUTER LOUIS E 3685 PEEL ST APT 1 MTL P O BOX 51 KINROSS TVL SOUTH AFRICA	PH D 2 AV 8 5504
WOLMAN FLORA MAY 14 BROWN ST STE ANNE DE BELLEVUE 5854 HUTCHISON ST OUTREMONT QUE	3 TCHRS
WOLOFSKY JUDAH L 4163 ESPLANADE AVE MONTREAL 18 QUE	B C L 4 VI 4 3859
WOLOFSKY MERLE E 21 LEGAULT ST STE ANNE DE BELLEVUE 6250 MACDONALD AVE HAMPSTEAD QUE	3 TCHRS
WONG ALBERT W Y 3450 JEANNE MANCE ST MTL 5 HOK SZE TERR 2ND FL KENNEDY TOWN HONG KONG	B ENG EL 3 VI 9 6644
WONG CLIFFIN C F THOMAS 4825 COTE ST CATHERINE APT 21 MONTREAL QUE	B ARCH 5 RE 1 1660
WONG DONALD D P 3471 CITY HALL AVE MTL 359 ALEXANDER AVE WINNIPEG MAN	B ENG COM 5 VI 4 0274

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WONG DOUGLAS GRANT 1610 SHERBROOKE ST W APT 15 MTL 165 GLOUCESTER ST OTTAWA 4 ONT	D D S 3 WE 7 1783
WONG HERBERT YUN 215 ONTARIO ST W APT 15 542 EAST 21ST ST OAKLAND 6 CALIF USA	D D S 1
WONG KA NIN BERNARD 3450 JEANNE MANCE ST MTL 108 GLOUCESTER RD 1ST FL WANCHAI HONG KONG	B ENG 2 VI 9 6644
WONG KIN LAE WILSON 3583 HUTCHISON ST MTL 53 CHATHAM RD HONG KONG	B ENG CH 5 VI 4 0860
WONG MARCUS YAU KEE 3484 SHUTER ST APT 10 320 KING S RD 3RD FLOOR NORTH POINT HONG KONG	B SC 3 VI 4 9888
WONG PASCAL 3422 STANLEY ST MONTREAL QUE	B SC 1
WONG SAU WAI 3619 OXENDEN AVE APT 6 7 COMFORT TERR KING S RD HONG KONG	B ENG CH 4
WONG TAT LUN E 2047 METCALFE ST MTL 13 FUK LO TSUN RD 1ST FL KOWLOON HONG KONG	B SC 2 VI 2 3006
WONG TOM LAUNG QUONG 1441 DRUMMOND ST MTL 60 E 16TH AVE VANCOUVER 10 B C	D D S 1 VI 9 4171
WONG WAI CHOW DAVID 3485 HUTCHISON ST APT 3 144 WING LOK ST WEST 2ND FLOOR HONG KONG	B ENG 1
WONG WINSTON A 3530 DUROCHER APT 20 MTL 135 137 BARRY ST KINGSTON JAMAICA B W I	B ENG 1 VI 2 4720
WONG YEE CHOI P O BOX 382 STN B MTL SAI YUEN TIM SHAM RD 23 MILES CASTLE PEAK RD N T HONG KONG	B ENG COM 5
WONG YUM KONG 3637 OXENDEN AVE MTL 104 PRINCE EDWARD RD 1ST FL KOWLOON HONG KONG	B SC 1 VI 9 0504
WOO ARTHUR KOON MUN BOX 354 STN B MTL 55 CONDUIR RD HONG KONG	MD CM 2
WOO YAN CHU ROYAL VICTORIA COLLEGE 161 BEN BINH DONG CHOLON SUD VIET NAM	B SC 2 VI 9 0858
WOOBE TESNAGER 3558 LORNE AVE MTL BETROLI KIDANE MANIAM P O B 1561 ADDIS ABABA ETHIOPIA	B C L 1 VI 9 9944
WOOD BARBARA MARY E ROYAL VICTORIA COLLEGE 37 ESDRAS PLACE RIVERSIDE ONT	B SC 4 VI 2 0477
WOOD BEVERLEY ANNE 2850 L HEUREUX ST VILLE ST LAURENT QUE	B SC 1
WOOD CHARLES LEONARD 990 47TH AVE LACHINE QUE	B ENG 2

NAME ADDRESS	COURSE & YEAR TEL. NO.
WOOD HELEN M ROYAL VICTORIA COLLEGE 37 ESDRAS PL RIVERSIDE ONT	B SC 1 VI 2 0571
WOOD JAMES MICHAEL P 3434 MCTAVISH ST MTL GRAL BORGONO 140 MIRAFLORES LIMA PERU	B ENG EL 4 VI 2 4492
WOOD PHILIP JAMES 215 KENASTON AVE MONTREAL 16 QUE	B A 1 RE 8 3250
WOODALL RONALD E 136 STRATHEARN AVE MONTREAL WEST QUE	B A 1 HU 8 0798
WOODCOCK ANN E 810 55TH AVE LACHINE QUE	B N 1 ME 7 8013
WOODHAMS GEORGE DOUGLAS 3473 UNIVERSITY ST MTL 84 NORTH ST HALIFAX N S	B D 3
WOODMAN DAVID C 14 HILLCREST AVE LAKESIDE QUE	B SC 3
WOODMAN JANE A MACDONALD COLLEGE GRAND CASCAPEDIA BONA CO QUE	3 TCHRS
WOODMAN RONALD A MACDONALD COLLEGE BOX 211 NEW CARLISLE QUE	2 TCHRS 1
WOODS STEPHEN FRANCIS R 30 EASTON AVE MONTREAL WEST QUE	B A 2 HU 4 5737
WOODWARD DOUGLAS ANDREW 62 THURLOW RD HAMPSTEAD QUE	B ENG MCH 5 HU 1 6736
WOOLGAR PENNY M MACDONALD COLLEGE 226 ELIZABETH CIRCLE ROSEMERE QUE	B ED 1
WOONTON ELIZABETH M L 7400 RUE DE TILLY MONTREAL QUE	B A 2 RE 7 3085
WORSLEY KENNETH G 3971 MOUNT ROYAL AVE E APT 3 MONTREAL QUE	B ENG 2 CL 9 3325
WORTZMAN GEORGE 5625 RAND AVE MONTREAL 29 QUE	MED DIPL 4 HU 1 8050
WRAY ROBERT JOHN DOUGLAS HALL EAST SULLIVAN MINES VAL D OR QUE	B SC 2 VI 4 9455
WREN PETER BARRY C 475 PRINCE ARTHUR ST W APT 25 MTL MONTE ALTAI 115 F LOMASIO MEXICO D F	B COM 2 VI 4 3137
WREN SIMON F G 3465 STANLEY ST APT 12 OAKOVER OLD COMPTON LANE FARNHAM SURREY	PARTIAL
WRIGHT ELSPETH CAMPBELL ROYAL VICTORIA COLLEGE P O BOX 125 HUDSON HEIGHTS QUE	PHYSIOTH 5 VI 2 0526
WRIGHT JOHN DUMBRILLE 5 NORMANDY DR MONTREAL 16 QUE	B COM 1 RE 1 2667
WRIGHT NICHOLAS A H DOUGLAS HALL C O SIR A WRIGHT FOREIGN OFFICE WHITEHALL LONDON ENGLAND	B COM 1 AV 8 2549

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WRIGHT PENELOPE ANNE ROYAL VICTORIA COLLEGE 3737 ANGUS DR VANCOUVER B C	B A 1 VI 2 0829
WRIGHT WILMA ANN 3466 SHUTER ST APT 204 696 GEORGE ST N PETERBOROUGH ONT	M A 3 VI 4 4335
WRIGLEY FREDERIC ROBERT H ROYAL VICTORIA COLLEGE 46 ONSLOW GARDENS LONDON N 10 ENGLAND	MED DIPL 3
WYANT JOHN D 4343 MAYFAIR AVE MONTREAL QUE	MD CM 1 HU 4 0964
WYDRA EDUARDO 8138 BIRMAM ST MTL C O VITORIA WYDRA SANTO ANGELO RIO GRANDE DO SUL BRASIL	B ENG 2 CR 2 9909
WYGLINSKI TED DANIEL B 6065 COTE DE LIESSE RD VILLE ST LAURENT QUE	B ENG CIV 4 RI 7 0857
WYGNANSKI JERZY ISRAEL 3815 PLAMONDON AVE MONTREAL QUE	B ENG MCH 3 RE 1 1997
WYLLIE MARJORIE JEAN MCLENNAN HALL 98 RIDGE RD HUDSON QUE	PHYSIOTH 3 VI 2 0044
WYLSON BLANCA 1135 BEAULIEU ST VILLE ST LAURENT QUE	3 TCHRS RI 7 2156
WYNTER GLIVE INVERSE 3520 CLARKE ST MTL 11 WEXFORD RD JAMAICA B W I	B SC 1 VI 5 2369

X

XANTHOPOULO VALENTINO 534 PRINCE ARTHUR ST W APT 8 MTL VALI KONAGI CAD 79 4 INSTANBUL TURKEY	PH D 2 VI 2 0154
XISTRIS GEORGE 2277 GOYER ST MONTREAL QUE	B ENG MCH 5 RE 7 4455

Y

YACH MELBOURNE M BRITTAIN HALL LADYSMITH QUE	3 TCHRS
YACKNIN ROBERT 4446 WILSON AVE MONTREAL QUE	B A 2
YALE JOHN E 925 LAIRD BLVD TOWN OF MT ROYAL QUE	B C L 1 RE 1 6527
YAMAOKA DALE T 7475 GLENWOOD AVE MONTREAL 16 QUE	B ENG MCH 3 RE 7 4735
YAMPOLSKY SAMUEL HAROLD 4636 HUTCHISON ST MONTREAL QUE	B ENG 2 CR 9 7549
YAN YUEN CHEONG 1441 DRUMMOND ST MTL 5 DRAGON TERRACE 2ND FL CAUSEWAY BAY HONG KONG	B COM 3
YANOFSKY SANDRA FRANCES 5625 CANTERBURY AVE MONTREAL QUE	B A 1 RE 8 8342
YANOSKO ALICE MARGARET ROYAL VICTORIA COLLEGE 241 GAY LUSSAC ST ARVIDA QUE	B SC 4 VI 2 0495
YANOVER BEVERLY J ROYAL VICTORIA COLLEGE 196 E BRIDGE ST BELLEVILLE ONT	B SC N 1 VI 2 0571
YAPHE ANDREA 570 LAKESHORE RD BEAUREPAIRE QUE	B A 4 ME 1 5831
YAPP PETER RAYMOND 3647 UNIVERSITY ST MONTREAL QUE	B ENG MCH 4 VI 9 2806
YAROSKY HARVEY WILLIAM 1336 LAJOIE AVE APT 3 OUTREMONT QUE	B C L 1 CR 4 5094
YAU MICHAEL YUK MAN 3617 OXENDEN AVE MTL 24 A SHAN KWONG RD HONG KONG	B ENG PHY 3
YAUCK EDEL 1839 LINCOLN AVE APT 9A BOX 14 CYMRIC SASK	D D S 4
YEE HENRY 460 CRAIG ST E MONTREAL 1 QUE	B ENG 2
YEE KENT HALDON 258 ST VIATEUR AVE WEST MONTREAL QUE	B ENG EL 4 CR 7 7905
YELIN FRANK SHEPHERD 660 LANSDOWNE AVE WESTMOUNT QUE	B SC 3 HU 8 8030
YEN SHI PING BERNARD 3517 HUTCHISON ST APT 8 302 PRINCE EDWARD RD 2ND FL KOWLOON H K	B ENG 1 VI 9 0109
YEOMANS JOHN NELSON 1075 HARVARD AVE MONTREAL QUE	B ENG COM 5 HU 4 1689
YEUNG EDDIE 3587 UNIVERSITY ST APT 5 475 KINGS RD 5TH FL 5TH FLOOR HONG KONG	D D S 1 VI 4 0504
YEUNG YIN CHING 3504 PARK AVE APT 15 MONTREAL QUE	MED DIPL 2 AV 8 1980
YONG RAYMOND 550 MILTON ST MONTREAL QUE	PH D 2 VI 2 7544
YOUNG ANNE WALLACE 584 WALPOLE AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 0985
YOUNG CHUN MAN PETER 3637 OXENDEN AVE RM 5 6 BREEZY TERRACE GR FL BONHAM RD HONG KONG	B SC 2 VI 9 0504
YOUNG DANIEL JOAQUIM 3552 SHUTER ST APT 1 MTL 74 ARLNIDA REPUBBIA MACAU	B ENG 2 VI 2 0612
YOUNG DAVID DONALD 420 4TH AVE VERDUN QUE	B ENG CIV 4 PO 9 2900
YOUNG DOROTHY 1355 DORCHESTER ST W MTL 73 FOURTH ST NEW TORONTO ONT	B N 1 UN 6 9941
YOUNG GIBSON WARD 3434 MCTAVISH ST MTL WATER HAZARD RIDDELLS BAY WARWICK BERMUDA	B SC 2 VI 2 4492

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
YOUNG HELEN G BOX 255 MACDONALD COLLEGE QUE		M SC 2
YOUNG HORACE O R 1001 SHERBROOKE ST W MTL 10 SCOTT BUSHE ST PORT OF SPAIN TRINIDAD T W I	VI 4 0811	MD CM 1
YOUNG LAI PHILIP 3592 DUROCHER ST MTL FOREST RESERVE TRINIDAD T W I		B ENG 2
YOUNG LILLIAN W STEWART HALL WAKEFIELD QUE		3 TCHRS
YOUNG MANUEL 6405 DE VIMY MONTREAL QUE	RE 3 8152	B A 2
YOUNG ROBERT EDGAR 4563 KENSINGTON AVE MONTREAL 28 QUE		B ENG MCH 3
YOUNG RUSSELL M V T C ROOM 23 C O THE MANSE DUNDEE QUE		B D 1
YOUNG SUSAN M 33 TUNSTALL AVE SENNEVILLE QUE		B SC N 1
YOUNG WILLIAM ARMSTRONG 3508 UNIVERSITY AVE MTL 1105 LAURENTIDE AVE QUEBEC CITY QUE	VI 4 0752	B A 2
YOUNG YUET MING ANNIE ROYAL VICTORIA COLLEGE 58 CONNAUGHT RD WEST HONG KONG	VI 2 0327	B SC 3
YOUNGER JAMES DAVID 3546 DUROCHER ST APT 16 RIDGE RD RAMSAYVILLE ONT	VI 9 2083	B ENG CH 5
YU CHUNG KAJ CHO PUI 3561 LORNE AVE APT 10 BOX 382 STATION B MONTREAL QUE		B ENG MCH 4
YUDCOVITCH NATHAN T 3180 BARCLAY AVE APT 6 MONTREAL QUE	RE 1 5259	B SC 1
YUDKOVITCH ISSIE PHILIP 5719 ESPLANADE AVE MONTREAL QUE	CR 2 5084	B ENG 2
YUEN AUDREY PIK SAI 1452 BISHOP ST APT 9 MTL 75 REPULSE BAY RD HONG KONG	VI 4 5957	B ARCH 5
YULE ELIZABETH A STEWART HALL 7290 TWENTIETH AVE MONTREAL 38 QUE		B ED 2
YUNG MARGARET ROYAL VICTORIA COLLEGE C O MRS DAVID BLAIR 1770 PARKDALE VERDUN QUE	VI 2 0113	B ENG 2
YUNG TAI FONG 3534 JEANNE MANCE ST MONTREAL QUE		B ENG CIV 4

Z

NAME ADDRESS	TEL. NO.	COURSE & YEAR
ZACHERA GEORGE MATHEW 3612 DUROCHER ST MTL GRACE LODGE MUTTAMPALAM KOTTAYAM INDIA	VI 4 6123	PH D 4
ZACKON DAVID LYON 3650 MOUNTAIN ST APT 301 MONTREAL QUE	VI 5 1503	B ENG EL 3
ZAHARIA WILLIAM 3524 DUROCHER ST APT 12 BUCHANAN SASK	AV 8 4490	PH D 4
ZALTER JOSEPH 5965 MACDONALD AVE MONTREAL QUE	RE 7 8519	B ARCH 1
ZANGWILL SHEELA M 5248 MT SIGHTS AVE MONTREAL QUE	HU 4 4235	B A 1
ZANYI ZOLTAN C O A HOLLO 3335 LINTON AVE APT 2 MONTREAL QUE		B A 3
ZAPATA SERGIO M 1025 PINE AVE MTL AVE VENEZUELA 1112 LIMA PERU		MED DIPL 1
ZARITSKY PEARL MACDONALD COLLEGE STE SOPHIE CO TERRE QUE		3 TCHRS
ZARKADAS CONSTANTINOS MACDONALD COLLEGE 70 MESSOGROU ST AMAROUSION ATHENS GREECE		B SC AGR 4
ZATYLNY EDWARD H 6342 10TH AVE MONTREAL 36 QUE		B ENG 1
ZAVALA JULIO ERNESTO 3465 SIMPSON ST MTL 1443 28 JULIO MIRAFLORES LIMA PERU		B ENG 1
ZAVALA LUIS A MACDONALD COLLEGE 28 JULIO 1443 LIMA PERU MIRAFLORES		AGR DIP 2
ZAVALKOFF JUDITH H 497 OUTREMONT AVE MONTREAL 8 QUE	CR 9 2445	B A 1
ZAVALKOFF RUTH 499 OUTREMONT AVE MONTREAL 8 QUE	CR 1 2044	B A 3
ZEGRAY MAURICE 118 PERRON ST BROSSEAU STA 21 GANNON ST GLACE BAY N S	OL 9 5158	B A 4
ZEIDEL ALLAN LARRY 790 ABBOTT ST VILLE ST LAURENT QUE	RI 4 1335	B SC 1
ZEIGLER BERNARD 1962 ST GERMAIN BLVD VILLE ST LAURENT QUE	RI 4 4489	B ENG 2
ZEISLER BETTY CLAIRE 554 GROSVENOR AVE WESTMOUNT QUE	WE 7 1210	B SC 2
ZEISLER JUDITH S 554 GROSVENOR AVE WESTMOUNT QUE	WE 7 1210	B A 1
ZELENKA MARIA 3465 SIMPSON ST MONTREAL QUE	WE 5 0333	B ENG EL 3
ZELIKOVITZ LAURA EILEEN 124 BEVERLEY AVE TOWN OF MT ROYAL QUE	RE 7 7482	B A 2
ZELKO DANIEL MILAN 1425 OUIMET ST MTL 442 GRANT AVE VERONA PA U S A		MD CM 3
ZELNICKER RHODA 709 STUART AVE MONTREAL QUE	CR 7 1635	B SC 1
ZELNICKER SANDRA SARAH 709 STUART AVE MONTREAL QUE	CR 7 1635	B SC 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ZENNER GEVHARD 619 EDWARD 7TH BLVD BROSSEAU STATION QUE	M ENG 1 OR 1 1231
ZIDULKA ARNOLD 663 MCEACHRAN AVE OUTREMONT QUE	B SC 1 CR 4 9597
ZIELINSKI ZYGMUNT 300 SHERBROOKE ST W MTL 57 CORBY AVE TORONTO 10 ONT	B ENG 1 VI 2 0590
ZIENIUS RAYMOND HENRY 3767 HOCHELAGA ST MONTREAL QUE	PH D 3 CL 9 8063
ZIGBY JEAN PAUL 4339 WILSON AVE MTL 315 ST JEAN ST GRANBY QUE	B C L 3 HU 9 6421
ZIKMAN JERROLD MALCOLM 5035 CORONATION AVE MONTREAL 28 QUE	B SC 2 HU 4 8787
ZIMAKAS WILLIAM BASIL 763 MARLBORO RD TOWN OF MT ROYAL QUE	D D S 4
ZINNER RONALD JOSEPH 545 PINE AVE W MTL 8330 W FIRST ST LOS ANGELES 48 CALIF U S A	MD CM 4
ZLOKLIKOVITS HERMAN J 3472 MCTAVISH ST MTL 1941 SPRUCE ST PRINCE GEORGE B C	D D S 4 VI 5 8001
ZLOTNIK ISRAEL 5260 RANDALL AVE APT 8 MONTREAL QUE	B COM 3 HU 4 0625
ZOLLMANN ZVI PAUL 7241 FIELDING AVE APT 305 MONTREAL QUE	B ENG PHY 4 HU 9 1580
ZORNBERG ERIC I 5186 WESTBURY AVE MONTREAL QUE	B SC 1 HU 6 5648
ZSIRAI ANDREW 6950 WILDERTONE AVE APT 2 MONTREAL QUE	B ENG EL 3
ZSOMBOR MURRAY PAUL J A 417 PRINCE ARTHUR ST W P O BOX 36 BROWNSBURG QUE	M ENG 1 VI 9 9038
ZUCKER IRVING 229 ST VIATEUR W MONTREAL QUE	B SC 2 CR 7 0459
ZUCKERMAN HOWARD W 3241 FOREST HILL APT 41 7548 PARKDALE CLAYTON MO USA	D D S 3 RE 3 9126
ZUCKERMAN JUDITH E 6 COLLEGE ST STE ANNE DE BELLEVUE 5577 DARLINGTON AVE MONTREAL QUE	3 TCHRS
ZUCKERMAN MORTIMER B 5862 PLANTAGENET ST MONTREAL QUE	B C L 1 RE 8 7004
ZUKERMAN BARRY 3851 MACKENZIE AVE MONTREAL QUE	B ENG 1 RE 7 8715
ZUKERMAN HAROLD 5071 KENSINGTON AVE MONTREAL QUE	PARTIAL HU 9 7090
ZUKERMAN NORMA 5071 KENSINGTON AVE MONTREAL QUE	M S W 2 HU 9 7090
ZURIF EDGAR B 4813 LACOMBE AVE MONTREAL QUE	B ENG MET 3 RE 7 0762
ZURIF RICKY C 4 ST JOSEPH ST STE ANNE DE BELLEVUE 716 DE L EPEE AVE APT 6 OUTREMONT QUE	3 TCHRS
ZYK NAOMI 5210 VAN HORNE AVE APT 4 MONTREAL QUE	B SC 1 RE 3 0567

SUPPLEMENT

Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
AHMED SYED 7512 LUC RD EAST COTE ST LUC QUE	M ENG 2 HU 6 5395
ASHKENAZI LESSY 3315 RIDGEWOOD AVE APT 12 MONTREAL QUE	MUS B 3 RE 3 0983
BADRE MARY C 3715 GOYER ST APT 4 MONTREAL QUE	L MUS 1 RE 3 1791
BERGER ESTHER 5855 SQUART APT 8 MONTREAL QUE	MUS B 3 RE 3 6076
BERRETT ARNOLD 450 EAST 63RD ST NEW YORK CITY 21 USA	M SC 2
BLAIKIE MARY L 1500 CRESCENT ST APT 201 8 REVERE ST TRURO N S	MUS B 4 VI 4 9189
BONATHAN ANNE E 134 ST CHARLES ST W LONGUEUIL QUE	MUS B 3 OR 4 6618
BROWN IAN W C O R A DICKSON BOX 46 QUEENSTON ONT	M A 2
CARPENTER MICHAEL J 4281 BARCLAY AVE APT 6 MONTREAL QUE	ASSOC MUS 1 RE 7 5184
CASTEL JANE E 120 RUE DE PICARDIE PREVILLE QUE	L MUS 3 OR 1 4773
CHAPPEL CLIFFORD IAN 7465 CHURCHILL RD MONTREAL QUE	PH D 3 RE 7 6097
CLOWES ISOBEL P BOX 3 SHAWBRIDGE QUE	MUS B 1
DOBSON CHRISTOPHER B 495 PRINCE ARTHUR ST APT 23 MTL HEATON LODGE HEATON BOLTON LANCASHIRE ENGLAND	M C L 2 VI 9 5995
DUKE DOROTHY M 196 METCALFE ST APT 404 OTTAWA ONT	MLS 2
EATON GEORGE E BOX 57 MACDONALD COLLEGE QUE	PH D 2
EKANEM DAVID J 484 PRINCE ARTHUR W MONTREAL QUE	B ENG CIV 4 AV 8 2346
FRAIBERG RISHA 4869 DORNAL AVE MONTREAL QUE	B L S 1 RE 8 5635
GILLHAM JOHN K C O THE PULP & PAPER 45 THICKET RD SUTTON SORREY ENGLAND	PH D 4
GINSBERG EDNA 2955 BEDFORD RD APT 2 MONTREAL QUE	MUS B 3 RE 3 6648
GOLDRICH ABRAHAM I 4016 CITY HALL AVE MONTREAL QUE	M A 1 VI 9 1881
GRIGG ALAN 445 LAKESHORE RD BEACONSFIELD QUE	MUS B 1 OX 5 9850
GUTELIVS JOHN R 10 NORTHCOTE RD HAMPSTEAD QUE	M SC 2 HU 6 3358
HEARD DONALD A F 4806 WILSON AVE MONTREAL QUE	MUS B 1 HU 4 0577
HOECHSMANN KLAUS 560 E CALIFORNIA ST PASADENA CALIF USA	PH D 2
HOLT RAYMOND J P O BOX 790 SCHEFFERVILLE 2 FAIRVIEW AVE EARLEY READING BERKS ENGLAND	M SC 1
JOHNS ERNEST C 4408 KING EDWARD AVE MONTREAL QUE	B ENG CIV 4 HU 1 1586
JONES GRETA L 902 RICHMOND SQUARE MTL FORE BRIDGE PEMBROKE WEST BERMUDA	MUS B 3 WE 2 1067
KALNINS JEKABS V 3250 BARCLAY AVE APT 5 MONTREAL QUE	MED DIPL 3 RE 1 6071
KASPER KATHLEEN M 2239 GIROUARD AVE MONTREAL QUE	MUS B 2 HU 8 5980
KHARE HARISH C 3615 UNIVERSITY ST APT 10 MTL UNIVERSITY OF ALLAHABAD ALLAHABAD INDIA	PH D 4 VI 4 6211
KIRBY ROGER P MCGILL SUBARCTIC RESEARCH LABORATORY SCHEFFERVILLE QUE	M SC 1
KOWALIK EVE M 3295 RIDGEWOOD AVE APT 7 MONTREAL QUE	L MUS 1 RE 1 2222
MAKKAY ZOLTAN ST MARYS HOSPITAL MONTREAL QUE	M SC 2 RE 8 4711
MANTHORP ELIZABETH A 6160 N D G AVE MONTREAL QUE	MUS B 1 HU 6 6362
MARSHALL JOSEPHINE B 7930 QUERBES AVE MONTREAL QUE	MUS B 1 CR 7 9209
MCKAY JOHN R 4694 GROSVENOR AVE MONTREAL QUE	MUS B 2 HU 1 2952

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCLEAN MARLA 3700 MOUNTAIN ST APT 4 MONTREAL 25 QUE	L MUS 3 VI 9 1573
MILLER JAMES R 5501 PRESIDENTS ROW VANCOUVER 8 B C	PH D 4
MILNE SHIRLEY W 1280 O BRIEN BLVD VILLE ST LAURENT QUE	L MUS 3 RI 7 8931
MIYAZAKI REIKA 3608 DE BULLION MONTREAL QUE	MUS B 2 VI 4 8505
OGILVIE HOPE C 1520 MCGREGOR ST APT 41 MONTREAL QUE	L MUS 1 WE 7 9677
PAIVIO ALLAN 17 LAKE RD DRYDEN N Y USA	PH D 3
PALMER CHARLES B 30 4TH AVE LAVAL OUEST QUE	MUS B 3
PENNER JEAN P 4650 EARNSCLIFFE AVE MONTREAL QUE	MUS B 2 HU 1 4364
PERRON PIERRE A 10790 ST CHARLES AVE MONTREAL 12 QUE	MUS B 3 DU 8 5862
RIDDELL WAYNE K 2193 BELGRAVE AVE MTL 635 MAIN ST LACHUTE QUE	MUS B 3 HU 4 6822
SANDLER HELENA 1921 BARCLAY AVE MONTREAL QUE	MUS B 2 RE 3 0277
SANSFACON LISE 569 LIEGE ST MONTREAL QUE	L MUS 1 DU 8 0972
SHEPPARD RITA A M 3492 PEEL ST MONTREAL QUE	MLS 3 VI 2 7362
SMITH MARILYN B 239 BROOKFIELD AVE TOWN OF MT ROYAL QUE	MUS B 2 RE 7 7658
ST JEAN RITA V 201 STRATHMORE BLVD MONTREAL QUE	L MUS 1 ME 1 1497
STAGE EDNA C 406 WEST PILE AVE APT 35 8 RUE DE BEAUNE CASABLANCA MOROCCO WEST AFRICA	L L M 1 VI 5 4683
SYROPOULOS PARASKEVI 7473 WISEMAN AVE MONTREAL QUE	ASSOC MUS 1 CR 9 9574
TESSIER CHRISTINE EVA 845 DECARIE BLVD VILLE ST LAURENT QUE	L MUS 1 RI 8 8022
TETENBURG GERRIT J 4095 TUPPER ST WESTMOUNT QUE	MUS B 2 WE 5 0464
TOMLINSON ROGER F 3493 SHUTER ST MONTREAL QUE	M SC 2
VACHON JEAN G 7730 LASALLE BLVD CHUTE A BLONDEAU ONT	S ENG CIV 4 PO 8 3269
WALKE LACEY GOODLAND PLANTATION CHRIST CHURCH BARBADOS WEST INDIES	MD CM 1
WELSTED JOHN E SUB ARCTIC RESEARCH LAB SCHEFFERVILLE QUE	M SC 1
WHITE GORDON C 5901 HUTCHISON ST MTL 115 NORTH RIVER RD CHARLOTTETOWN P E I	L MUS 3 CR 7 8963
WISENTHAL MILES 72 OXFORD RD BAIE D URFEE QUE BOX 118 MACDONALD COLLEGE QUE	PARTIAL
WITHERELL FAYETTE ROYAL VICTORIA COLLEGE W HIPPLEVILLE RD MALONE NEW YORK USA	MUS B 2 VI 2 0265

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